



ITEM NO 0001	SUPPLIES/SERVICES SPACER FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244509.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002	SUPPLIES/SERVICES FRONT PANEL FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244513.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003	SUPPLIES/SERVICES HEAT SINK FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244515.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0004	SUPPLIES/SERVICES RIGHT BRACKET FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244517.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0005	SUPPLIES/SERVICES LEFT BRACKET FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244518.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0006	SUPPLIES/SERVICES RIGHT SUPPORT FFP Machined metal part for MK 437 Gun Mount Control Panel.  To be manufactured to the exact specifications of attached technical drawing #7244971.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT



LAPTOP CONNECTOR PLATE

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245014.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014		36	Each		

EMI GASKET

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245029-1.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015		36	Each		

EMI GASKET

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245029-2.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016		18	Each		

HINGE

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245030.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0017		18	Each		

GMCP FRONT PLATE

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245032.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0018		18	Each		

FRONT DOOR

FFP

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245046.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019		18	Each		

EXTERIOR HEAT SINK

FFP  
Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing  
#7245047.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020	INTERNAL HEAT SINK FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing  
#7245048.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0021	AIR DUCT FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing  
#7245049.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0022	FAN MOUNT FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing  
#7245050.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0023	BOTTOM COVER FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing  
#7245051.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0024	TOP COVER FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing  
#7245052.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0025	SUPPORT ANGLE FFP	72	Each		

Machined metal part for MK 437 Gun Mount Control Panel.

To be manufactured to the exact specifications of attached technical drawing #7245053.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0026	CONNECTOR BRACKET FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245054.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0027	AIR DEFLECTOR FFP Machined metal part for MK 437 Gun Mount Control Panel.	36	Each		

To be manufactured to the exact specifications of attached technical drawing #7245055.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0028	BLACK BOX CLAMP FFP Machined metal part for MK 437 Gun Mount Control Panel.	36	Each		

To be manufactured to the exact specifications of attached technical drawing #7245056.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0029	POWER SUPPLY CLAMP FFP Machined metal part for MK 437 Gun Mount Control Panel.	36	Each		

To be manufactured to the exact specifications of attached technical drawing #7245057.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0030	REMOVABLE PLATE FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245092.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0031	TRANSFORMER BOX FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245390.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0032	TRANSFORMER PANEL FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245391.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0033	SUPPORT CHANNEL FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245392.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0034	SPACER FFP Machined metal part for MK 437 Gun Mount Control Panel.	36	Each		

To be manufactured to the exact specifications of attached technical drawing #7245393.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0035	ANGLE BRACKET FFP Machined metal part for MK 437 Gun Mount Control Panel.	36	Each		

To be manufactured to the exact specifications of attached technical drawing #7245394.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0036	GROUND BLOCK FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245395.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0037	STRAP FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245397.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0038	RUBBER PAD FFP Machined metal part for MK 437 Gun Mount Control Panel.	18	Each		

To be manufactured to the exact specifications of attached technical drawing #7245399.

#### CLAUSES INCORPORATED BY REFERENCE

252.204-7001	Commercial And Government Entity (CAGE) Code Reporting	AUG 1999
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#### CLAUSES INCORPORATED BY FULL TEXT



52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

\_\_\_ TIN:-----

\_\_\_ TIN has been applied for.

\_\_\_ TIN is not required because:

\_\_\_ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

\_\_\_ Offeror is an agency or instrumentality of a foreign government;

\_\_\_ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

\_\_\_ Sole proprietorship;

\_\_\_ Partnership;

\_\_\_ Corporate entity (not tax-exempt);

\_\_\_ Corporate entity (tax-exempt);

\_\_\_ Government entity (Federal, State, or local);

\_\_\_ Foreign government;

\_\_\_ International organization per 26 CFR 1.6049-4;

\_\_\_ Other-----

(f) Common parent.

\_\_\_ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

\_\_\_ Name and TIN of common parent:

Name-----

TIN-----

(End of provision)

#### 52.213-4 TERMS AND CONDITIONS--SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS) (OCT 2003)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).

(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (Oct 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(2) Listed below are additional clauses that apply:

(i) 52.232-1, Payments (Apr 1984).

(ii) 52.232-8, Discounts for Prompt Payment (Feb 2002).

(iii) 52.232-11, Extras (Apr 1984).

(iv) 52.232-25, Prompt Payment (Oct 2003).

(v) 52.233-1, Disputes (Jul 2002).

(vi) 52.244-6, Subcontracts for Commercial Items (APR 2003).

(vii) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Sept 2002) (E.O. 13126). (Applies to contracts for supplies exceeding the micro-purchase threshold.)

(ii) 52.222-20, Walsh-Healey Public Contracts Act (DEC 1996) (41 U.S.C. 35-45) (Applies to supply contracts over \$10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998) (29 U.S.C. 793) (Applies to contracts over \$10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.).

(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts over \$25,000).

(vi) 52.222-41, Service Contract Act, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over \$2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands.).

(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Aug 2003) (E.O. 13148) (Applies to services performed on Federal facilities).

(viii) 52.225-1, Buy American Act--Supplies (June 2003) (41 U.S.C. 10a-10d) (Applies to contracts for supplies, and to contracts for services involving the furnishing of supplies, for use in the United States or its outlying areas, if the value of the supply contract or supply portion of a service contract exceeds the micro-purchase threshold and the **acquisition--**

(A) Is set aside for small business concerns; or

(B) Cannot be set aside for small business concerns (see 19.502-2), and does not exceed \$25,000.)

(ix) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (May 1999). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)

(x) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (Oct 2003). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

(xi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241). (Applies to supplies transported by ocean vessels (except for the types of subcontracts listed at 47.504(d)).)

(2) Listed below are additional clauses that may apply:

(i) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (JULY 1995) (Applies to contracts over \$25,000).

(ii) 52.211-17, Delivery of Excess Quantities (SEPT 1989) (Applies to fixed-price supplies).

(iii) 52.247-29, F.o.b. Origin (JUN 1988) (Applies to supplies if delivery is f.o.b. origin).

(iv) 52.247-34, F.o.b. Destination (NOV 1991) (Applies to supplies if delivery is f.o.b. destination).

(c) FAR 52.252-2, Clauses Incorporated by Reference (FEB 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

(Insert one or more Internet addresses)

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Government, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is (332322) (insert NAICS code).

(2) The small business size standard is (500 employees) (insert size standard).

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ( ) is, ( ) is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ( ) is, ( ) is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It ( ) is, ( ) is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ( ) is, ( ) is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

## 52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (JUN 2003)

(a) Definition.

"Small business concern," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the size standards in this solicitation.

(b) General. (1) Offers are solicited only from small business concerns. Offers received from concerns that are not small business concerns shall be considered nonresponsive and will be rejected.

(2) Any award resulting from this solicitation will be made to a small business concern.

(c) Agreement. A small business concern submitting an offer in its own name shall furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States or its outlying areas. If this procurement is processed under simplified **acquisition** procedures and the total amount of this contract does not exceed \$25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply to construction or service contracts.

(End of clause)

#### 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER—CENTRAL CONTRACTOR REGISTRATION (OCT 2003)

(a) Method of payment. (1) All payments by the Government under this contract shall be made by electronic funds transfer (EFT), except as provided in paragraph (a)(2) of this clause. As used in this clause, the term “EFT” refers to the funds transfer and may also include the payment information transfer.

(2) In the event the Government is unable to release one or more payments by EFT, the Contractor agrees to either--

(i) Accept payment by check or some other mutually agreeable method of payment; or

(ii) Request the Government to extend the payment due date until such time as the Government can make payment by EFT (but see paragraph (d) of this clause).

(b) Contractor's EFT information. The Government shall make payment to the Contractor using the EFT information contained in the Central Contractor Registration (CCR) database. In the event that the EFT information changes, the Contractor shall be responsible for providing the updated information to the CCR database.

(c) Mechanisms for EFT payment. The Government may make payment by EFT through either the Automated Clearing House (ACH) network, subject to the rules of the National Automated Clearing House Association, or the Fedwire Transfer System. The rules governing Federal payments through the ACH are contained in 31 CFR part 210.

(d) Suspension of payment. If the Contractor's EFT information in the CCR database is incorrect, then the Government need not make payment to the Contractor under this contract until correct EFT information is entered into the CCR database; and any invoice or contract financing request shall be deemed not to be a proper invoice for the purpose of prompt payment under this contract. The prompt payment terms of the contract regarding notice of an improper invoice and delays in accrual of interest penalties apply.

(e) Liability for uncompleted or erroneous transfers. (1) If an uncompleted or erroneous transfer occurs because the Government used the Contractor's EFT information incorrectly, the Government remains responsible for--

(i) Making a correct payment;

(ii) Paying any prompt payment penalty due; and

(iii) Recovering any erroneously directed funds.

(2) If an uncompleted or erroneous transfer occurs because the Contractor's EFT information was incorrect, or was revised within 30 days of Government release of the EFT payment transaction instruction to the Federal Reserve System, and--

(i) If the funds are no longer under the control of the payment office, the Government is deemed to have made payment and the Contractor is responsible for recovery of any erroneously directed funds; or

(ii) If the funds remain under the control of the payment office, the Government shall not make payment, and the provisions of paragraph (d) of this clause shall apply.

(f) EFT and prompt payment. A payment shall be deemed to have been made in a timely manner in accordance with the prompt payment terms of this contract if, in the EFT payment transaction instruction released to the Federal Reserve System, the date specified for settlement of the payment is on or before the prompt payment due date, provided the specified payment date is a valid date under the rules of the Federal Reserve System.

(g) EFT and assignment of claims. If the Contractor assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Contractor shall require as a condition of any such assignment, that the assignee shall register separately in the CCR database and shall be paid by EFT in accordance with the terms of this clause. Notwithstanding any other requirement of this contract, payment to an ultimate recipient other than the Contractor, or a financial institution properly recognized under an assignment of claims pursuant to subpart 32.8, is not permitted. In all respects, the requirements of this clause shall apply to the assignee as if it were the Contractor. EFT information that shows the ultimate recipient of the transfer to be other than the Contractor, in the absence of a proper assignment of claims acceptable to the Government, is incorrect EFT information within the meaning of paragraph (d) of this clause.

(h) Liability for change of EFT information by financial agent. The Government is not liable for errors resulting from changes to EFT information made by the Contractor's financial agent.

(i) Payment information. The payment or disbursing office shall forward to the Contractor available payment information that is suitable for transmission as of the date of release of the EFT instruction to the Federal Reserve System. The Government may request the Contractor to designate a desired format and method(s) for delivery of payment information from a list of formats and methods the payment office is capable of executing. However, the Government does not guarantee that any particular format or method of delivery is available at any particular payment office and retains the latitude to use the format and delivery method most convenient to the Government. If the Government makes payment by check in accordance with paragraph (a) of this clause, the Government shall mail the payment information to the remittance address contained in the CCR database.

(End of Clause)

#### 52.247-45 F.O.B. ORIGIN AND/OR F.O.B. DESTINATION EVALUATION (APR 1984)

Offers are invited on the basis of both f.o.b. origin and f.o.b. destination, and the Government will award on the basis the Contracting Officer determines to be most advantageous to the Government. An offer on the basis of f.o.b. origin only or f.o.b. destination only is acceptable, but will be evaluated only on the basis submitted.

(End of provision)

#### 252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION ALTERNATE A (NOV 2003)

(a) Definitions. As used in this clause--

“Central Contractor Registration (CCR) database” means the primary Government repository for contractor information required for the conduct of business with the Government.

“Commercial and Government Entity (CAGE) code” means--



(1) A code assigned by the Defense Logistics Information Service (DLIS) to identify a commercial or Government entity; or

(2) A code assigned by a member of the North Atlantic Treaty Organization that DLIS records and maintains in the CAGE master file. This type of code is known as an "NCAGE code."

"Data Universal Numbering System (DUNS) number" means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

"Data Universal Numbering System +4 (DUNS+4) number" means the DUNS number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11 of the Federal Acquisition Regulation) for the same parent concern.

"Registered in the CCR database" means that--

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database;

(2) The Contractor's CAGE code is in the CCR database; and

(3) The Government has validated all mandatory data fields and has marked the records "Active."

(b)(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance, and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation "DUNS" or "DUNS +4" followed by the DUNS or DUNS +4 number that identifies the offeror's name and address exactly as stated in the offer. The DUNS number will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number--

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com>; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company Physical Street Address, City, State, and Zip Code.

(iv) Company Mailing Address, City, State and Zip Code (if separate from physical).

(v) Company Telephone Number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(g)(1)(i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to (A) change the name in the CCR database; (B) comply with the requirements of Subpart 42.12 of the FAR; and (C) agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(h) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the internet at <http://www.ccr.gov> or by calling 1-888-227-2423, or 269-961-5757.

(End of clause)

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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0001	100 dys. ADC	18	NAVSEA Indian Head Division Receiving Officer 101 Strauss Ave., Bldg. 116 Indian Head, MD. 20640-5035 301/744-4861 Scott McKee, Bldg 116E FOB:	N00174
0002	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
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0038	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174

#### INSTRUCTIONS

#### **THE OFFEROR SHALL PROVIDE THE FOLLOWING INFORMATION:**

**GENERAL INFORMATION:** Each offeror must submit an offer/proposal and other written information in strict accordance with these instructions. Therefore, the Government encourages Offerors to contact the contracting officer by telephone, facsimile transmission, e-mail, or mail in order to request an explanation of any aspect of these instructions. The RFQ is being conducted on a best value basis utilizing the tradeoff process.

The Offerors shall submit the following information. Failure to do so will render an offer ineligible for award

1. Two (2) completed and signed RFQ packages, with all representation certifications executed, and with prices in Section B.
2. Two (2) copies of the technical proposal
3. Two (2) copies of the past performance information
4. Two (2) copies of the price proposal

**OFFERORS SHALL ADDRESS THE FOLLOWING FACTORS:** (Listed in order of importance) Information shall be submitted in three separate sections as detailed below.

**TECHNICAL PROPOSAL** – Shall address Factors as detailed below. Not to exceed 15 single sided pages, not less than 10 pitch (Times New Roman or similar).

#### **1. Technical**

The offeror must demonstrate their ability to fabricate and deliver Machined Parts that meet all requirements identified in the RFQ. The offeror must demonstrate that they have produced same or similar Machined Parts. The offeror must have experience in working with helicoils.

## **2. Experience**

The offeror shall provide evidence that demonstrates during the past three (3) years experience in manufacturing, and delivering in a timely manner, Machined Parts, same or similar, to the parts described in the RFQ.

**Past Performance** - Shall contain only the Past Performance Information)

Past Performance is a measure of the degree to which an Offeror, as an organization, has during the past three (3) years: (1) satisfied its customers, and (2) complied with federal, state, local laws and regulations. The Offeror shall provide a list of references using the *Past Performance Matrix, (Attachment 2)*, who will be able to provide information regarding the Offerors past performance during the past three (3) years regarding; (1) customer satisfaction; (2) timeliness; (3) technical success; (4) program management; (5) and quality.

The Offeror will submit the *Past Performance Questionnaire (Attachment 3)* to each of the references listed on the Past Performance Matrix, a minimum of three (3) is required. The Offeror shall instruct the references to complete Past Performance Questionnaire and return it directly to:

Naval Sea Systems Command, Indian Head Division  
101 Strauss Avenue  
Attn: Amanda Bray, Code 1141F, Building 1558  
Indian Head, MD 20640-5035

Fax: (301) 744-6635 Email: [brayal@ih.navy.mil](mailto:brayal@ih.navy.mil)

The Offerors selected references must be listed on the Past Performance Matrix. Failure of the references to submit Past Performance Questionnaire to the contract specialist by the Closing Date of the Solicitation may result in inability of the Government to rank the Offerors past performance.

**NOTE: PAST PERFORMANCE INFORMATIONAL & QUESTIONNAIRE SHEETS ARE ATTACHMENTS TO RFQ.**

## **1. Price**

The price proposal shall include the completed RFQ document and any available pricing information to facilitate the price analysis that will be performed in evaluating the proposal (i.e., cost breakdown, catalog pricing, past pricing history, etc.).

The price/cost information shall include data regarding the general financial condition of the offeror and specific plans for financing the proposed contract. The Government does not intend to provide any financial assistance.

## **EVALUATION FACTORS FOR AWARD**

1. **GENERAL:** The government shall award a contract resulting from this RFQ to the responsible offeror whose submission, complying with the instructions and conforming to the solicitation, represents the best value on the basis of an integrated assessment of the evaluation factors for award. Once all evaluations are complete and tabulated in accordance with the Source Selection Plan, the government will make a series of comparisons among the Offerors by comparing the tabulated scores to the evaluated price or. From these comparisons the government will determine the offeror who offers the best value to the government.
2. **RELATIVE IMPORTANCE OF THE EVALUATION FACTORS:** Since an Offeror must comply with the instructions contained in the Instructions to Offerors it behooves an offeror to read carefully the instructions as the Contracting Officer may eliminate an Offeror from further consideration for failure to comply with the instructions. In deciding which of the Offerors, complying with the instructions, is the best value the government will consider the following factors, listed in order of importance unless otherwise noted:

### **FACTORS:**

1. **Technical**
2. **Experience**
3. **Past Performance\***

**\*Past performance is equal in value to factors 1 and 2 combined.**

### **Past Performance shall be rated based on the following:**

1. The Government will evaluate the quality of the Offeror's past performance. This evaluation is separate and distinct from the Contracting Officer's responsibility determination. The assessment of the Offeror's past performance will be used to evaluate the relative capability of the Offeror and their competitors to successfully meet the requirements of the RFQ.
2. The Government will evaluate the quality of the Offeror's past performance. This may include any aspect of past performance that is related to this contract. A record of poor past performance may be considered an indication that the Offeror may be lacking in areas such as technical success, quality and customer satisfaction. In evaluating an Offeror's past performance, the Government will consider information contained in the Offeror's past performance references, information obtained from other sources, including past and present customers, subcontractors and any others who may have useful information, and other past performance data available to the Government. Offerors with no past performance history will receive a neutral rating.
  - a. The subfactors listed below (which are equal in importance) will be used to evaluate past performance:
    - i. Customer Satisfaction. The Offeror's demonstrated commitment to maintaining an acceptable level of performance and customer satisfaction.
    - ii. Timeliness. The Offeror's demonstrated ability to meet contract schedules and delivery dates.
    - iii. Technical Success. The Offeror's demonstrated ability to understand and perform contract requirements.
    - iv. Program Management. The Offeror's ability to meet or exceed its subcontracting plans.
    - v. Quality. The Offeror's demonstrated ability to conform to contract specification requirements.

3. Contracting Officers will use the following adjectival definitions as guidelines in evaluating past performance:

**Excellent** - The Offeror's performance was consistently superior. The contractual performance was accomplished with minor problems, to which corrective action taken by the contractor was highly effective.

**Good** - The Offeror's performance was better than average. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective. They would be willing to do business with the Offeror again.

**Average**- The Offeror's performance was adequate. The contractual performance reflects a problem, to which the contractor has not yet identified corrective actions. Consideration would take part in awarding a contract to the Offeror again.

**Poor** - The Offeror's performance was entirely inadequate. The contractual performance of the element being assessed contains problems, to which the contractor's corrective actions appear to be or were ineffective. They would not do business with the Offeror again under any circumstances.

**Neutral** - Offerors lacking relevant past performance history will receive a neutral rating for past performance.

#### 4. Price

Although cost/price is the least important factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the offers in relation to the other factors on which selection is to be made.

Once all evaluations are complete the corresponding scores shall be tabulated and placed in a chart as follows in this example:

<u>Offeror</u>	<u>Factors 1&amp; 2 Score*</u>	<u>Past Performance Rating</u>	<u>Cost/Price</u>
A	88	Excellent	\$40,025
B	93	Excellent	\$45,000
C	0 **	Good	\$42,500
D	82	Excellent	\$38,500
E	93	Poor	\$39,000

\* Not to exceed 100

\*\*\* Offeror did not comply with RFQ instructions - was not evaluated

Once this information is tabulated, Offerors will be compared making value and price tradeoffs and award will be made to the offeror that represents the Best Value to the Government. If the offeror with the highest scores also represents the lowest price then that offeror is clearly the Best Value. If an offeror with higher scores has a higher price, then a determination must be made whether the difference in value is worth the higher price. In the example the government may award to Offeror A, Offeror B (if it could be determined whether the difference in greater value is worth the difference in price when compared to Offeror A), or Offeror D. Offeror E, even though reflective of a high technical score would be eliminated based on the POOR Past Performance rating.



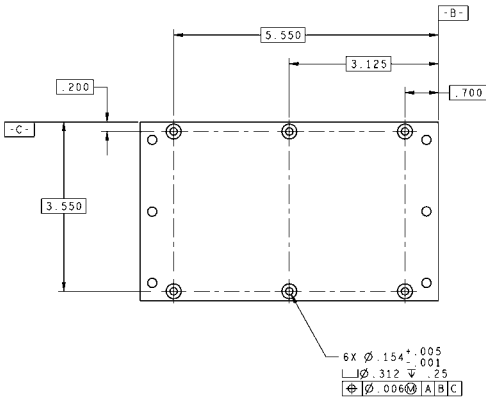
**PAST PERFORMANCE MATRIX**

References	Dollar Value of Contract	Work Description	Contract Completed on Time YES/NO	Contract Completed at Cost YES/NO (if No, % of overrun)	Provide Explanation for NO Answers

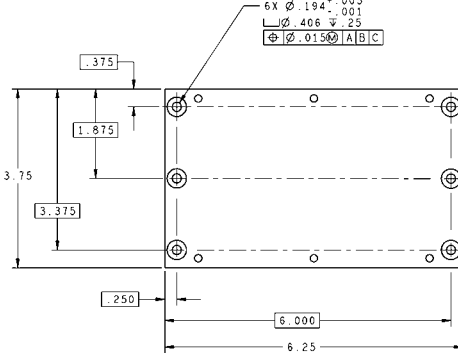
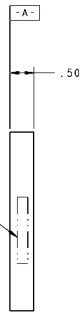
**REFERENCES COLUMN SHOULD INCLUDE GOVERNMENT ACTIVITY/COMPANY NAME, ADDRESS, POC, AND TELEPHONE NUMBER**

ATTACHMENT (1)

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. ALL SURFACES  $125\sqrt{\text{in}}$
  3. STEEL STAMP "53711-7244509" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



IDENT MARK  
SEE NOTE 3



DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY.  
CRITICAL TECHNOLOGY, 02-03-00  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFARCON PHO LOU,  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CRST
DOD-STD-2101	

ITEM OR FEND NO.	QTY REQ.	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E					
CAG PLOTTED DRAWING (PROD. E. VET. 20)					
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES					
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:					
3 PLACE DECIMALS ± .010 FRACTIONS ± .005					
2 PLACE DECIMALS ± .03 ANGLES ± .1°					
REMOVE BURRS, BREAK SHARP EDGES .01 ± .02					
MATERIAL: AL ALY 6061-T6					
ACCEPTED BY NAVSURFARCON					
APPROVED FOR NAVSURFARCON					
S. CURTIS / 29 AUG 2000					
PARTS LIST					
NAME / PROD. LOUISVILLE REF. 100 ROCKETER DRIVE, LOUISVILLE, KENTUCKY 40214-2681					
CAGE CODE: 53711					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20382					
SPACER, POWER SUPPLY					
SIZE: D 53711					
CAGE CODE: 7244509					
NAVSURFARCON PHO LOU, LOUISVILLE, KY 40214-2681					
SCALE: 1/1 JOB NO: 5121 SHEET: 1 OF 1					

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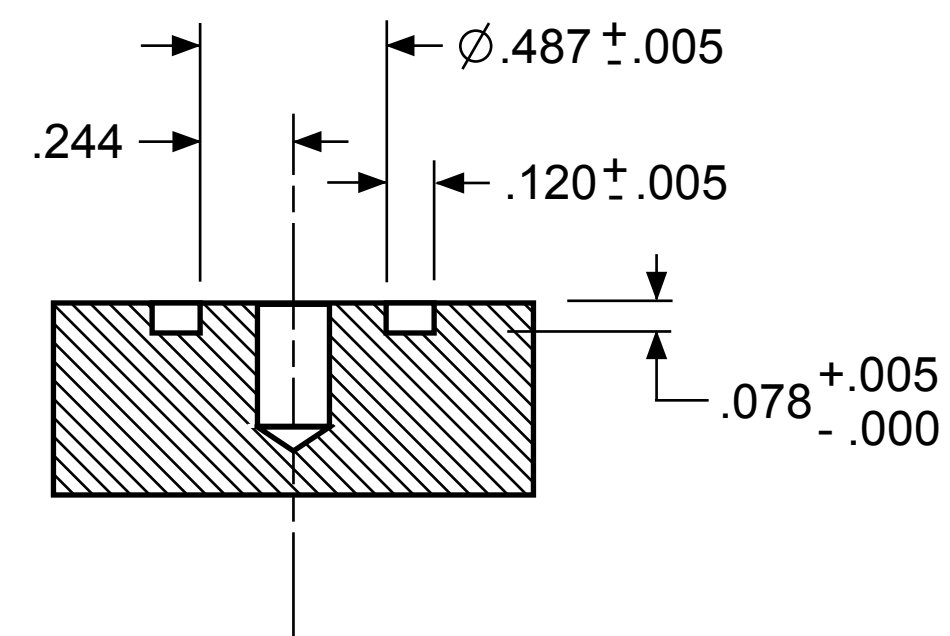
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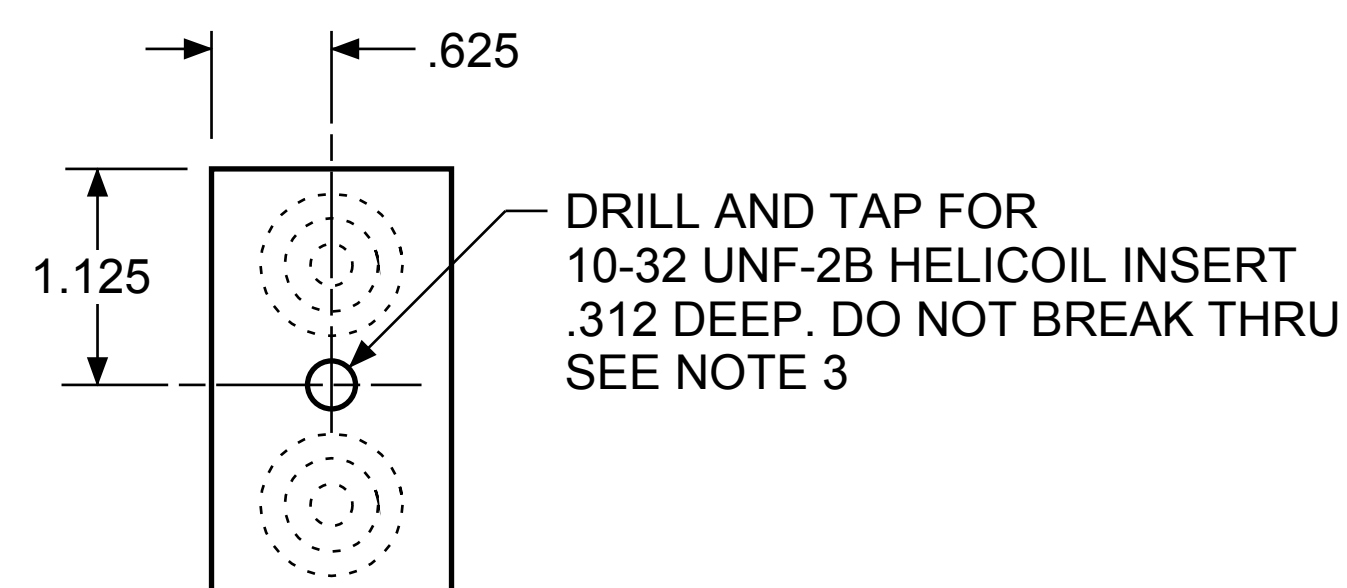
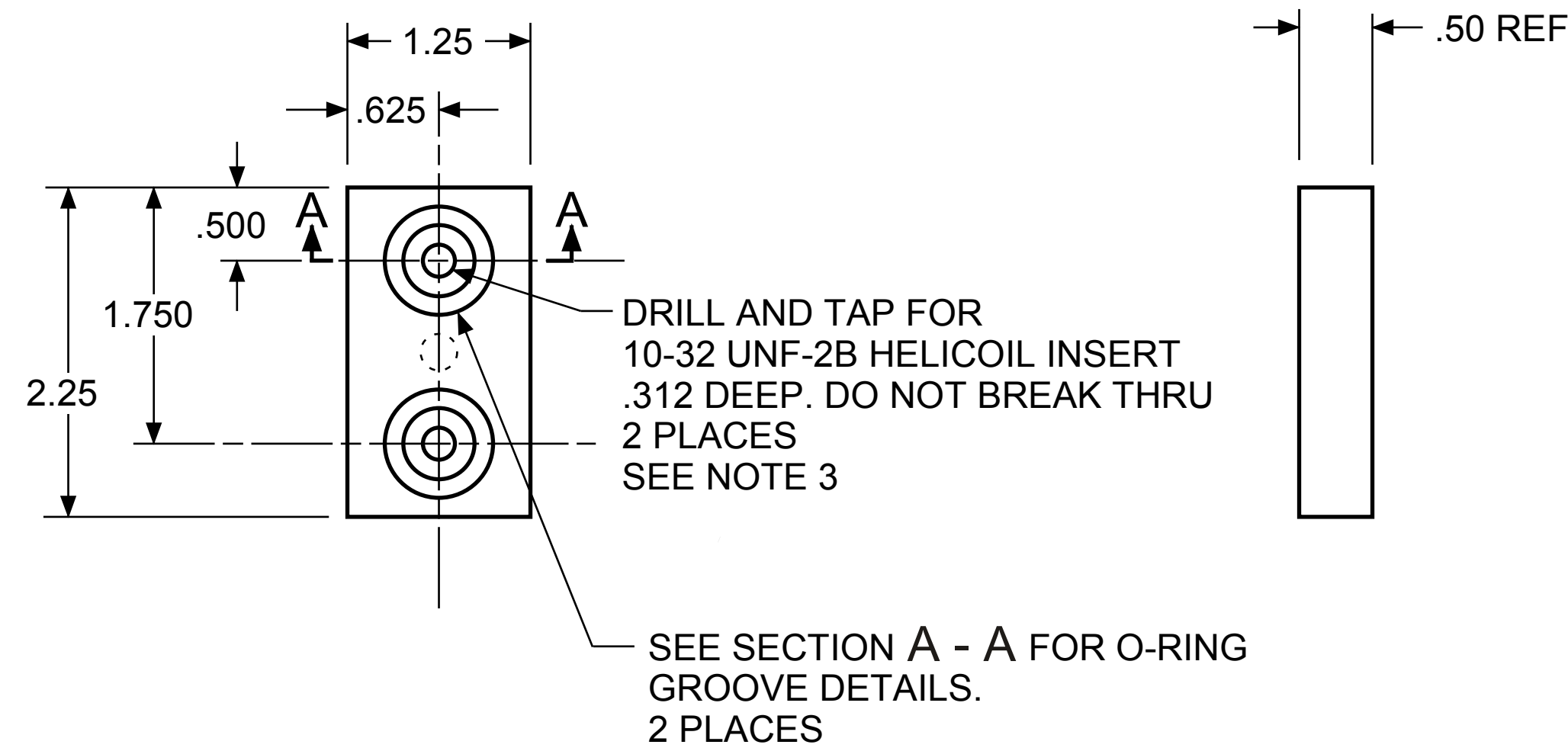
NOTES: 1. FINISHED AS EXTRUDED. CUT SURFACES  $\checkmark$  250/.

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SECTION A - A



REVISIONS				
LTR	ZONE	DESCRIPTIONS	DATE	APPROVAL

2	3	MS124695		INSERT, CRES. 10-32, 1.5 DIA LENGTH		
1	AR	MIL-C-5541		CHEMICAL COATING, CL3		
ITEM OR FIND NO	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		REMARKS
PARTS LIST						
NSWC90B LOUISVILLE DET 70 BUCKLETYPE PRINT CAGE CODE 45861 CAGE CODE 18692				DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20362		
APPROVED	BY	APPROVED	BY	<div style="text-align: center; font-size: 2em; font-weight: bold;">GROWL BLOCK</div>		
PROD. ENGR		BRANCH NO				
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APPROVED FOR NAVYSEASCOM						
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E 53711		7245395				
SCALE		NONE		5290		SHEET 1 OF 1

CLASSIFICATION OF CHARACTERISTICS			
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MAJOR	NONE		
MINOR	ALL CHRST	7245004	
DOD-STD-2101		NEXT ASSY	USED ON
		APPLICATION	

	INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-106
	DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES
	CANVAS & PLOTTED DRAWING
	UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 2 PLACE DECIMALS ± .003 ANGLES ± 1°
	REMOVE BURRS. BREAK SHARP EDGES .01 - .02
MATERIAL:	6061-T6 ALUM ALLOY, .50 THK

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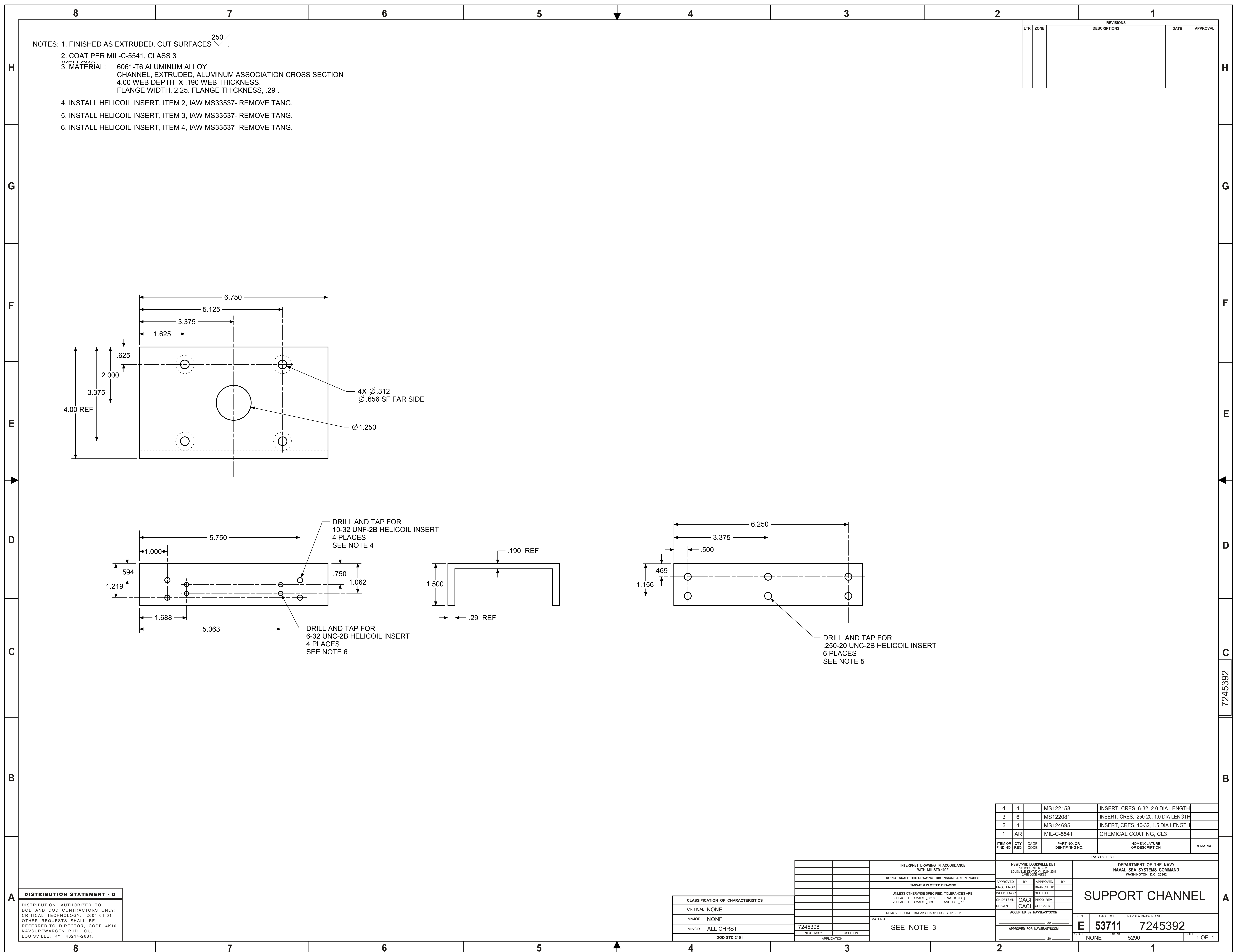
**DISTRIBUTION STATEMENT - D**

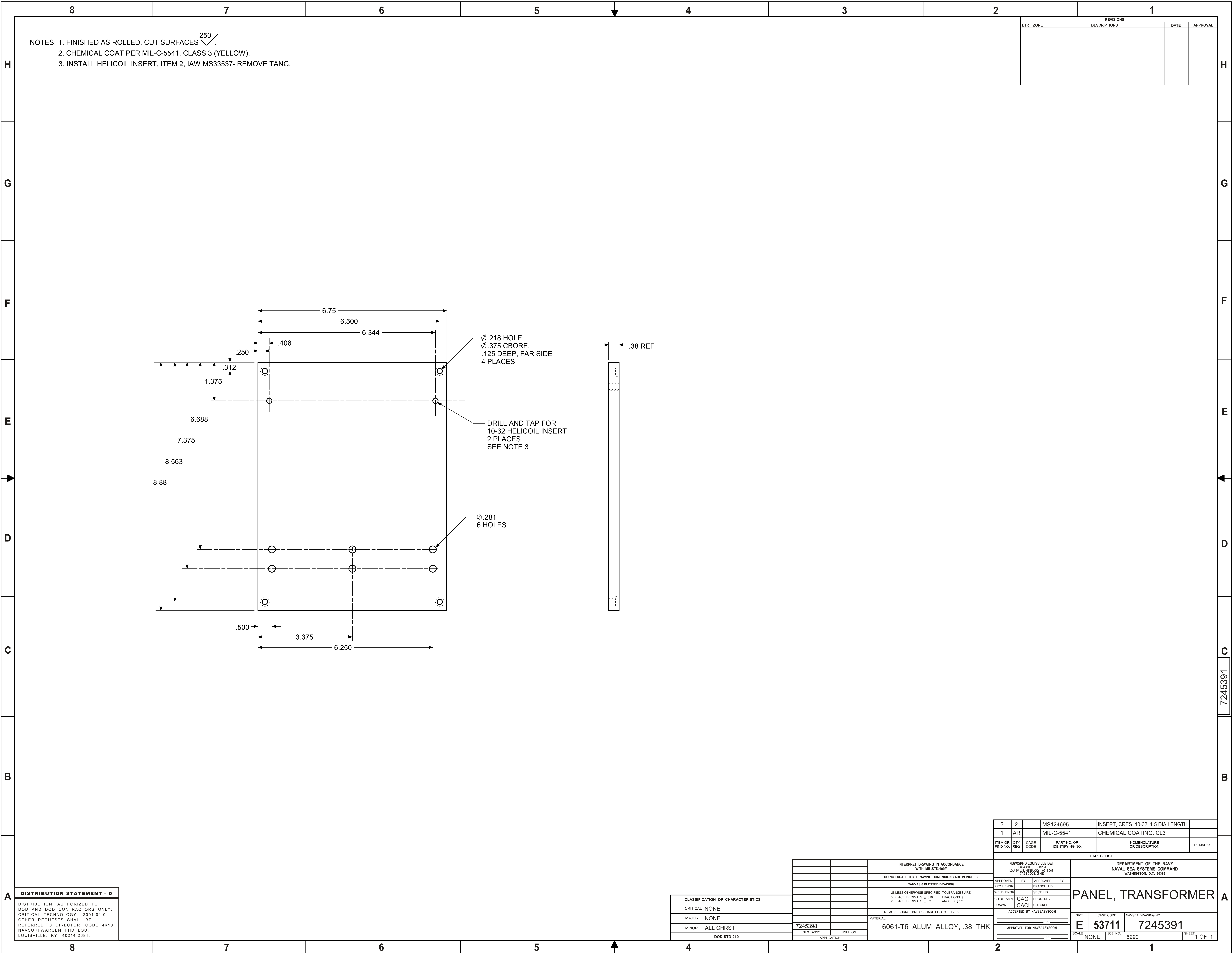
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2001-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU,  
LOUISVILLE, KY 40214-2681.

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A	<table border="1"><thead><tr><th colspan="4">DISTRIBUTION STATEMENT - D</th></tr><tr><td colspan="4">DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, Z001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10, NAVSURFWARREN PHD LOU, LOUISVILLE, KY 40214-2681.</td></tr></thead></table> <table border="1"><thead><tr><th colspan="4">CLASSIFICATION OF CHARACTERISTICS</th></tr></thead><tbody><tr><td>CRITICAL</td><td>NONE</td><td></td><td></td></tr><tr><td>MAJOR</td><td>NONE</td><td></td><td></td></tr><tr><td>MINOR</td><td>ALL CHRST</td><td></td><td></td></tr></tbody></table> <table border="1"><thead><tr><th colspan="4">INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E</th></tr><tr><td colspan="4">DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES</td></tr><tr><td colspan="4">CANVAS &amp; PLOTTED DRAWING</td></tr><tr><td colspan="4">UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 2 PLACE DECIMALS ± .03 ANGLES ± 1°</td></tr><tr><td colspan="4">REMOVE BURRS - BREAK SHARP EDGES .01 ± .02</td></tr></thead></table> <table border="1"><thead><tr><th colspan="4">ACCEPTED BY NAVSEASYSCOM</th></tr></thead><tbody><tr><td>APPROVED FOR NAVSEASYSCOM</td><td>20</td><td>SCALE NONE</td><td>JOB NO. 5290</td></tr><tr><td colspan="4">SHEET 1 OF 1</td></tr></tbody></table> <table border="1"><thead><tr><th colspan="4">PARTS LIST</th></tr></thead><tbody><tr><td colspan="4">ANGULAR BRACKET</td></tr></tbody></table>								DISTRIBUTION STATEMENT - D				DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, Z001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10, NAVSURFWARREN PHD LOU, LOUISVILLE, KY 40214-2681.				CLASSIFICATION OF CHARACTERISTICS				CRITICAL	NONE			MAJOR	NONE			MINOR	ALL CHRST			INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E				DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES				CANVAS & PLOTTED DRAWING				UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 2 PLACE DECIMALS ± .03 ANGLES ± 1°				REMOVE BURRS - BREAK SHARP EDGES .01 ± .02				ACCEPTED BY NAVSEASYSCOM				APPROVED FOR NAVSEASYSCOM	20	SCALE NONE	JOB NO. 5290	SHEET 1 OF 1				PARTS LIST				ANGULAR BRACKET				A
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PARTS LIST																																																																									
ANGULAR BRACKET																																																																									











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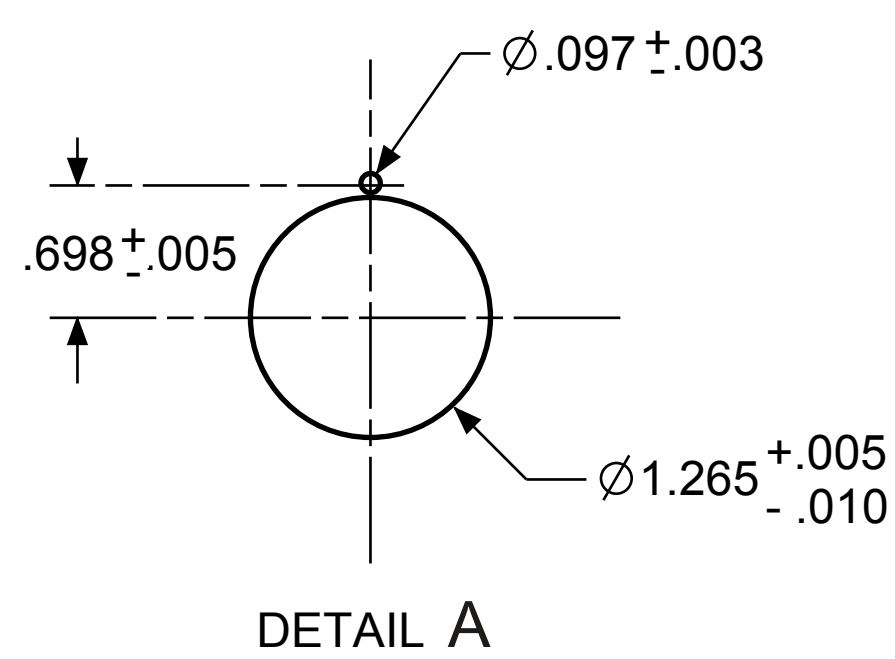
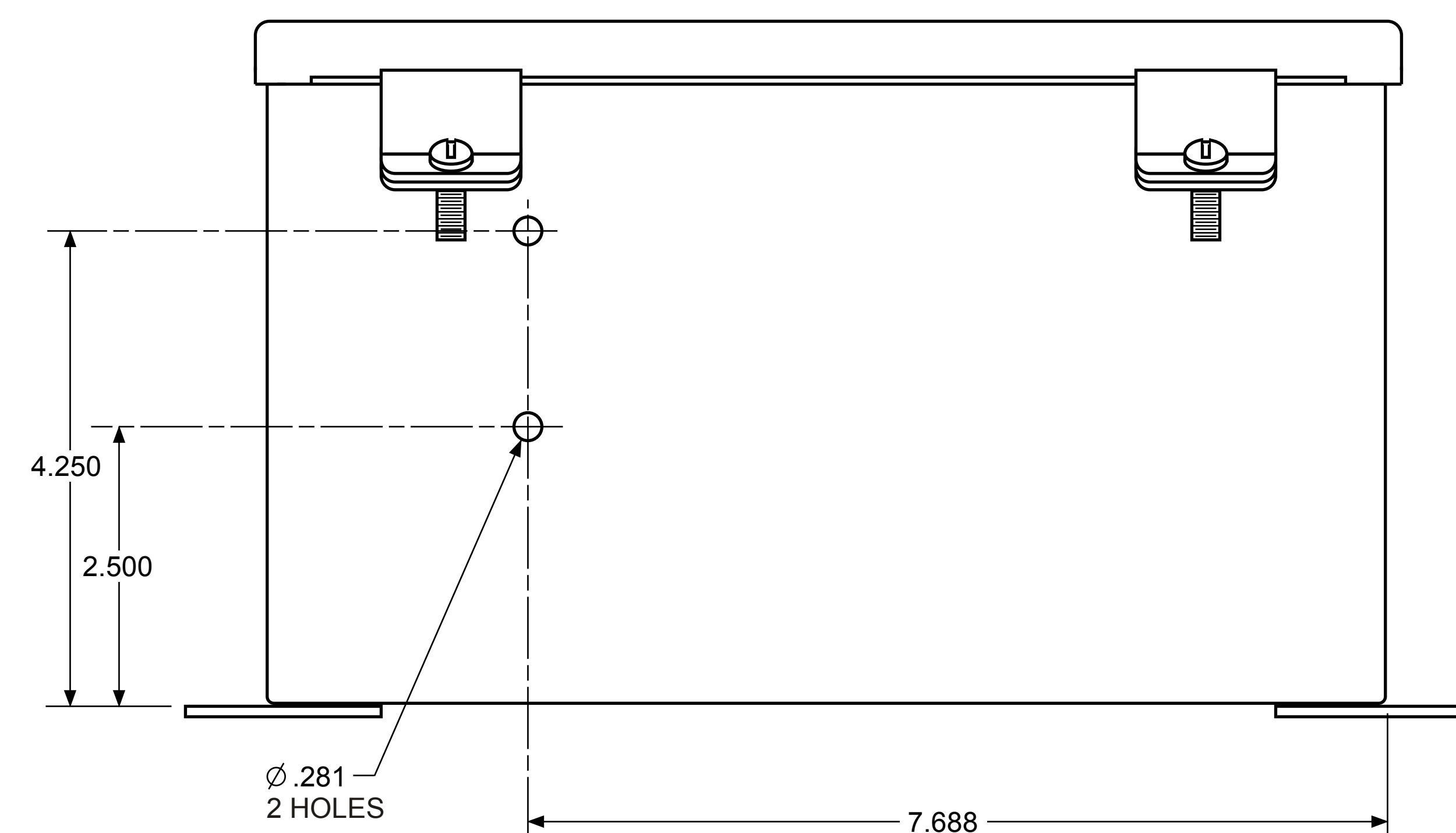
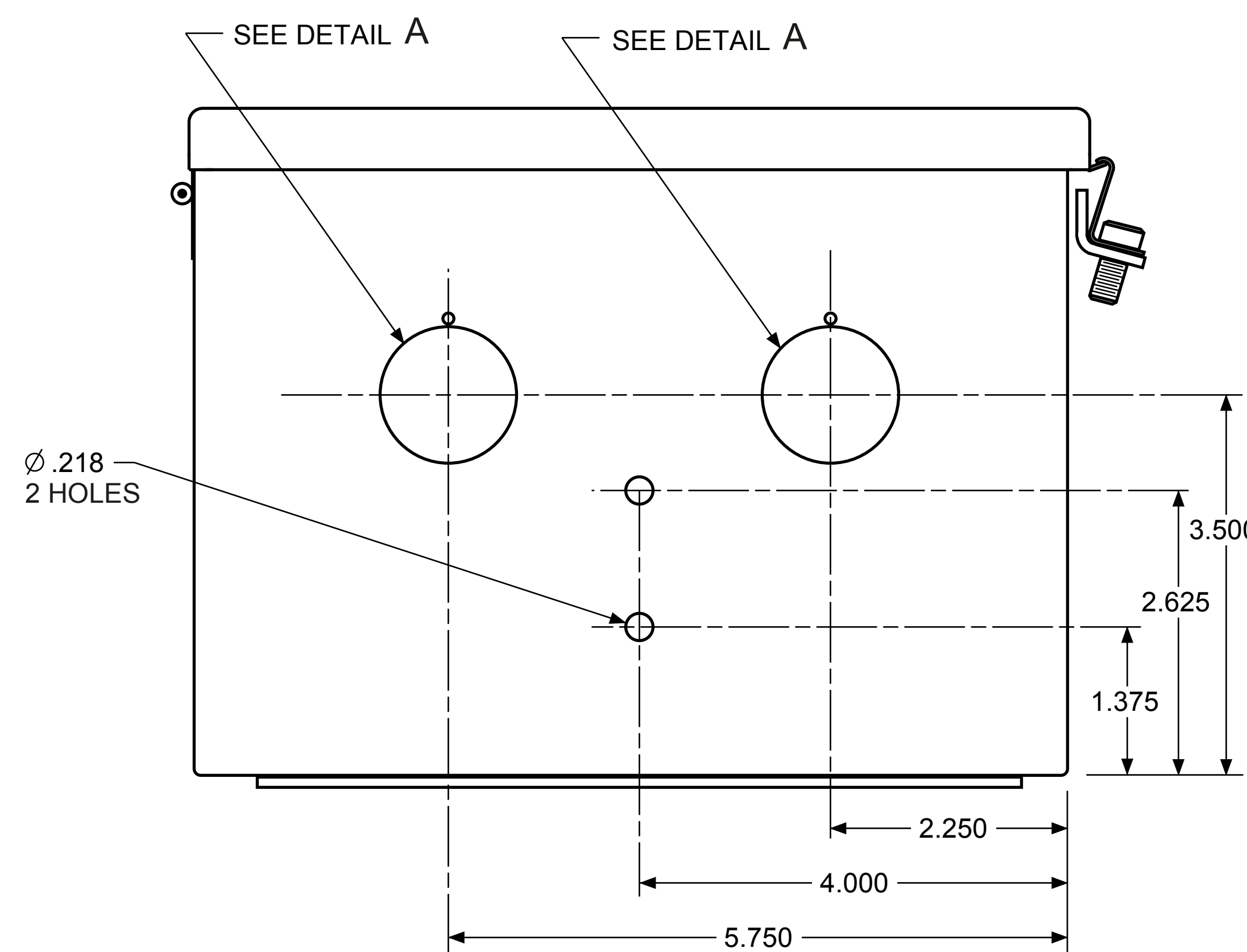
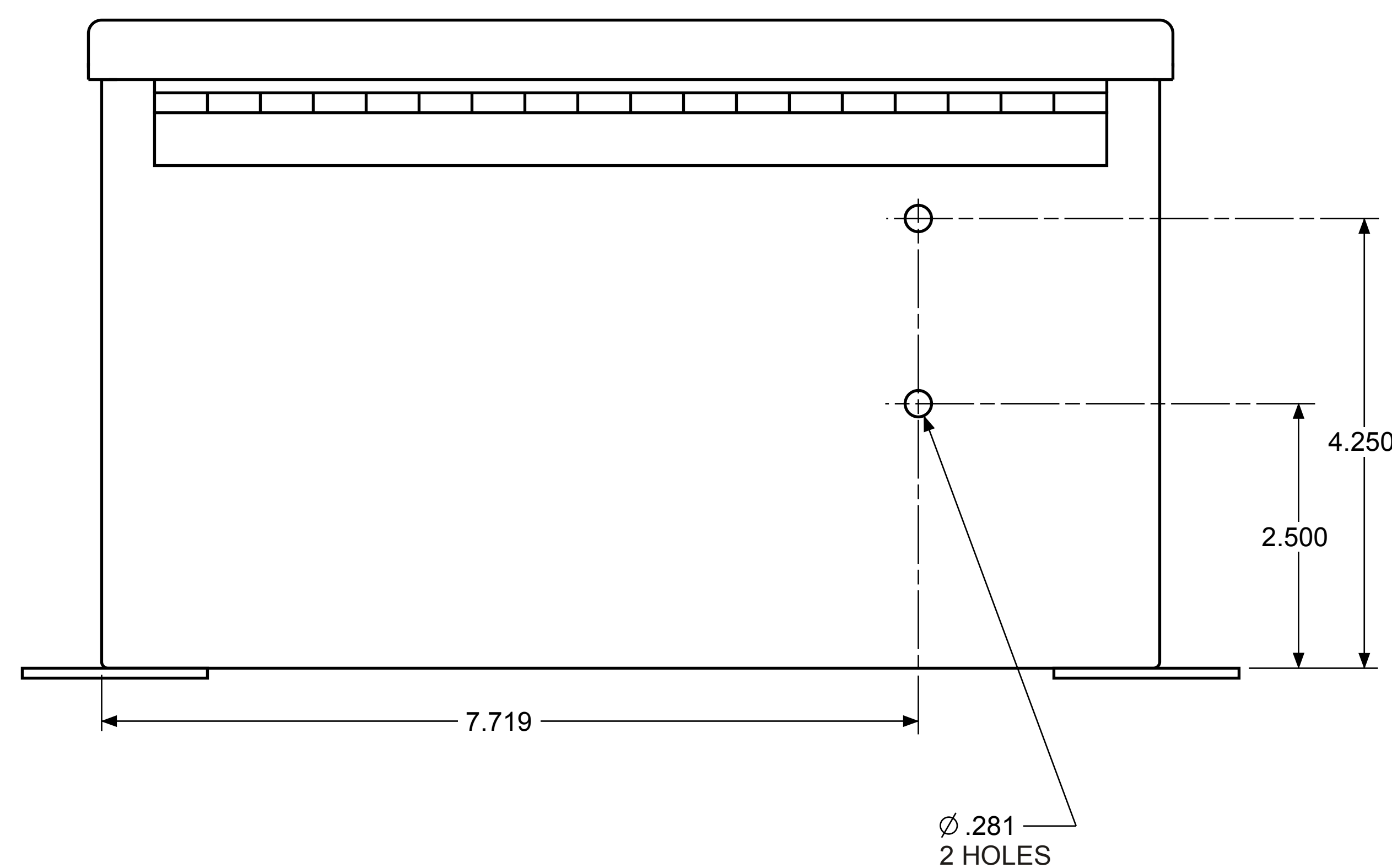
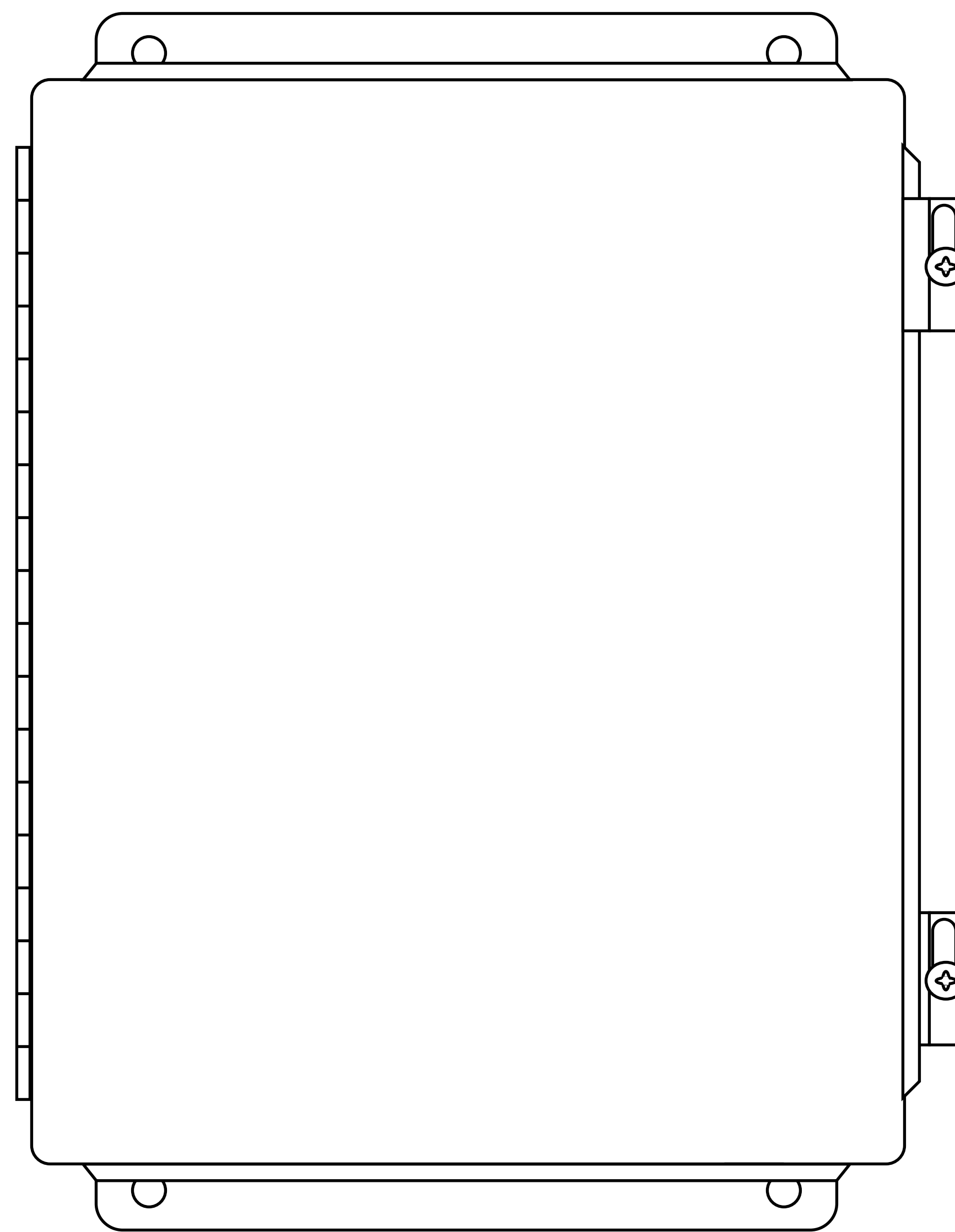
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NOTES:

1. THIS ITEM TO BE MADE FROM:  
HOFFMAN ENGINEERING CO. PART NO. A-10086CH.  
MANUFACTURER: HOFFMAN ENGINEERING CO.  
9TH AND TYLER STREET  
ANOKA, MINNESOTA 55303  
CAGE: 00843

2. PAINT IAW MIL-STD-1303, SYSTEM 37.

REVISIONS				
LTR	ZONE	DESCRIPTIONS	DATE	APPROVAL

**DISTRIBUTION STATEMENT - D**

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2001-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU,  
LOUISVILLE, KY 40214-2681.

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

[illegible]

		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E
		<b>DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES</b>
		<b>CANVAS &amp; PLOTTED DRAWING</b>
		UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:
		3 PLACE DECIMALS ± .010      FRACTIONS : 2 PLACE DECIMALS ± .03       ANGLES ± 1°
		REMOVE BURRS, BREAK SHARP EDGES .01 - .02
MATERIAL:		
		SEE NOTE 1

<b>NSWC/PHD LOUISVILLE DET</b> 160 ROCHESTER DR LOUISVILLE, KENTUCKY 40214-2081 CAGE CODE: DRKDS			
APPROVED	BY	APPROVED	BY
PROJ ENGR		BRANCH HD	
WELD ENGR		SECT HD	
CH DFTSMN	CACI	PROD REV	
DRAWN	CACI	CHECKED	
ACCEPTED BY NAVSEASYSCOM _____ _____ 20 _____ APPROVED FOR NAVSEASYSCOM			

DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20362			
<h1>TRANSFORMER BOX, MACHINING</h1>			
SIZE <b>E</b>	GAGE CODE <b>53711</b>	NAVSEA DRAWING NO. <b>7245390</b>	
SCALE NONE	JOB NO. 5290	SHEET 1 OF 1	

8

7

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4

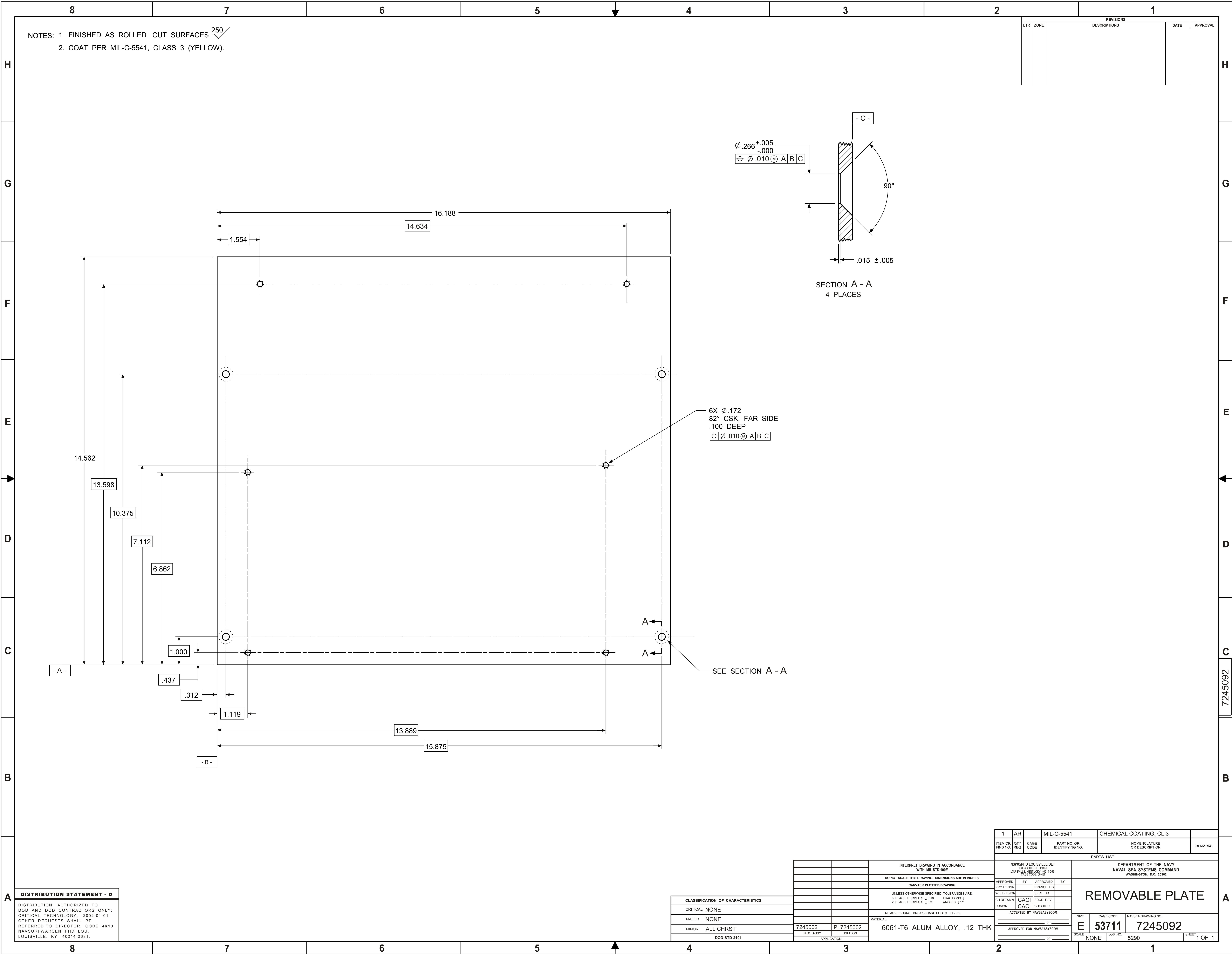
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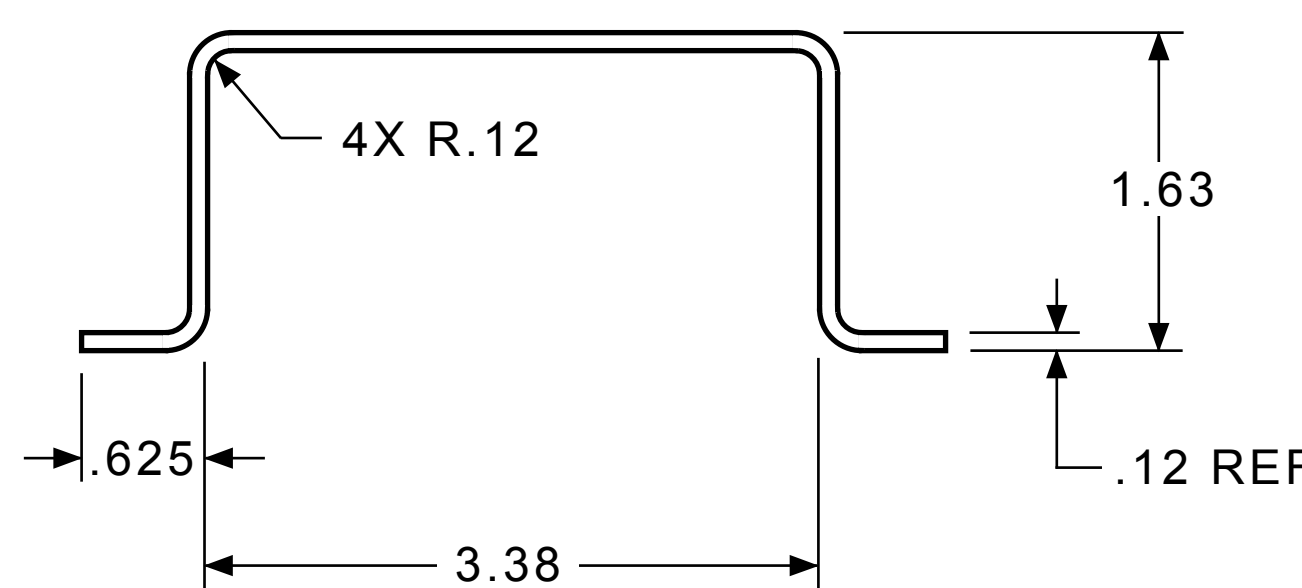
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7245300

A





REVISIONS				
LTR	ZONE	DESCRIPTIONS	DATE	APPROVAL

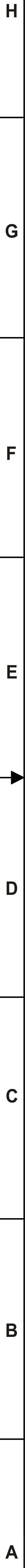
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CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

7245002	PL7245002
NEXT ASSY	USED ON
APPLICATION	

<p>INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E</p> <p>DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES</p> <p>CANVAS &amp; PLOTTED DRAWING</p> <p>UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:            3 PLACE DECIMALS <math>\pm .010</math> FRACTIONS <math>\pm</math>            2 PLACE DECIMALS <math>\pm .03</math> ANGLES <math>\pm 1^\circ</math></p> <p>REMOVE BURRS. BREAK SHARP EDGES .01 - .02</p>	
<p>MATERIAL:</p> <p>5052-H32 ALUM AL, .12 THK</p>	

1	AR		MIL-C-5541	1	CHEMICAL COATING, CL 3	
ITEM OR P/N	QTY REQD	CAGE CODE	PART NO. OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST						
NSWC/PHD LOUISVILLE DET 4800 10TH AVE LOUISVILLE, KY 40217-6701 CAGE CODE: 9800				DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20342		
APPROVED BY	BY	APPROVED BY	BY	<div style="text-align: center; font-size: 2em; font-weight: bold;">POWER SUPPLY CLAMP</div>		
PHOU ENGR		BRANCH HD				
		SECT HD				
CH DITSMAN	CACI	PROD. REV.				
DRAWN	CACI	CHECKED				
ACCEPTED BY NAVY/SEASCOM				SIZE	CAGE CODE	NAVYSEA DRAWING NO.
20				E	53711	7245057
APPROVED FOR NAVY/SEASCOM						
20				SCALE	NONE	JOB NO.
					5290	SHEET 1 OF 1



<b>A</b>	<b>DISTRIBUTION STATEMENT - D</b>
	<p>DISTRIBUTION AUTHORIZED TO          DOD AND DOD CONTRACTORS ONLY:          CRITICAL TECHNOLOGY, 2002-01-01          OTHER REQUESTS SHALL BE          REFERRED TO DIRECTOR, CODE 4K10          NAVSURFWARGEN PHD LOU,          LOUISVILLE, KY 40214-2681.</p>

A



Technical drawing of an Air Deflector, showing top, front, and side views with dimensions and a parts list.

**Top View Dimensions:**

- Overall width: 2.00
- Overall height: 2.75
- Top flange width: .375
- Top flange height: 1.00
- Top flange thickness: .375
- Top flange hole diameter: .125
- Top flange hole spacing: 1.625

**Side View Dimensions:**

- Top flange thickness: .12 REF
- Top flange radius: R.25

**Notes:**

- FINISHED AS ROLLED. CUT SURFACES  $\sqrt{250}$ .
- COAT PER MIL-C-5541, CLASS 3 (YELLOW).
- DRILL .213  $\pm .003$  DIA HOLE AND INSTALL INSERT, ITEM 2.

**Parts List:**

ITEM OR P/N	QTY	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
2	2	46384	CLS-832-3	SELF-CLINCHING NUT INSERT, 8-32	PEM
1	AR		MIL-C-5541	CHEMICAL COATING, CL 3	

**Classification of Characteristics:**

CLASSIFICATION OF CHARACTERISTICS	7245058	5052-H32 ALUM AL, .12 THK
CRITICAL	NONE	
MAJOR	NONE	
MINOR	ALL CHRST	

**Distribution Statement - D**

DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2002-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARCON PHD LOU, LOUISVILLE, KY 40214-2681.

**Interpret Drawing in Accordance with MIL-STD-100E**

**Canvas & Plotted Drawing**

**Unless Otherwise Specified, Tolerances are:**

- 3 PLACE DECIMALS  $\pm .010$  FRACTIONS  $\pm$
- 2 PLACE DECIMALS  $\pm .03$  ANGLES  $\pm 1^\circ$

**Remove Burrs - Break Sharp Edges .01 .02**

**Accepted by NAVSEASYSKOM**

**Approved for NAVSEASYSKOM**

**Size: E**

**Scale: NONE**

**Job No: 5290**

**Sheet: 1 OF 1**

**Part Name: AIR DEFLECTOR**

**Part Number: 7245055**

**Department of the Navy Naval Sea Systems Command Washington, D.C. 20362**

[illegible]

8 7 6 5 4 3 2 1

NOTES: 1. FINISHED AS ROLLED. CUT SURFACES  $\sqrt{250}$ .  
2. COAT PER MIL-C-5541, CLASS 3 (YELLOW).  
3. DRILL .213  $\pm$ .003 DIA HOLE AND INSTALL INSERT, ITEM 2.  
-0.000  
4. MATERIAL: .75 X .75 X .12 SHARP CORNER 6061-T6 ALUMINUM ANGLE.

2.500 3.00 .25 .500

SEE NOTE 3  
2 PLACES

2.500 .25 .500

SEE NOTE 3  
2 PLACES

.12 REF .75 REF .12 REF .75 REF

2 4 46384 CLS-832-3 SELF-CLINCHING NUT INSERT, 8-32 PEM  
1 AR MIL-C-5541 CHEMICAL COATING, CL 3

ITEM OR PWD NO. QTY REQ CAGE CODE PART NO. OR IDENTIFYING NO. NOMENCLATURE OR DESCRIPTION REMARKS

PARTS LIST

NSWC/PHD LOUISVILLE DET  
LOUISVILLE, KENTUCKY 40214-2681  
CAGE CODE 9419

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON, D.C. 20342

SUPPORT ANGLE

CLASSIFICATION OF CHARACTERISTICS  
CRITICAL NONE  
MAJOR NONE  
MINOR ALL CHRST

7245058

SEE NOTE 4

REMOVE BURRS - BREAK SHARP EDGES .01-.02

ACCEPTED BY NAVSEASYSKOM

APPROVED FOR NAVSEASYSKOM

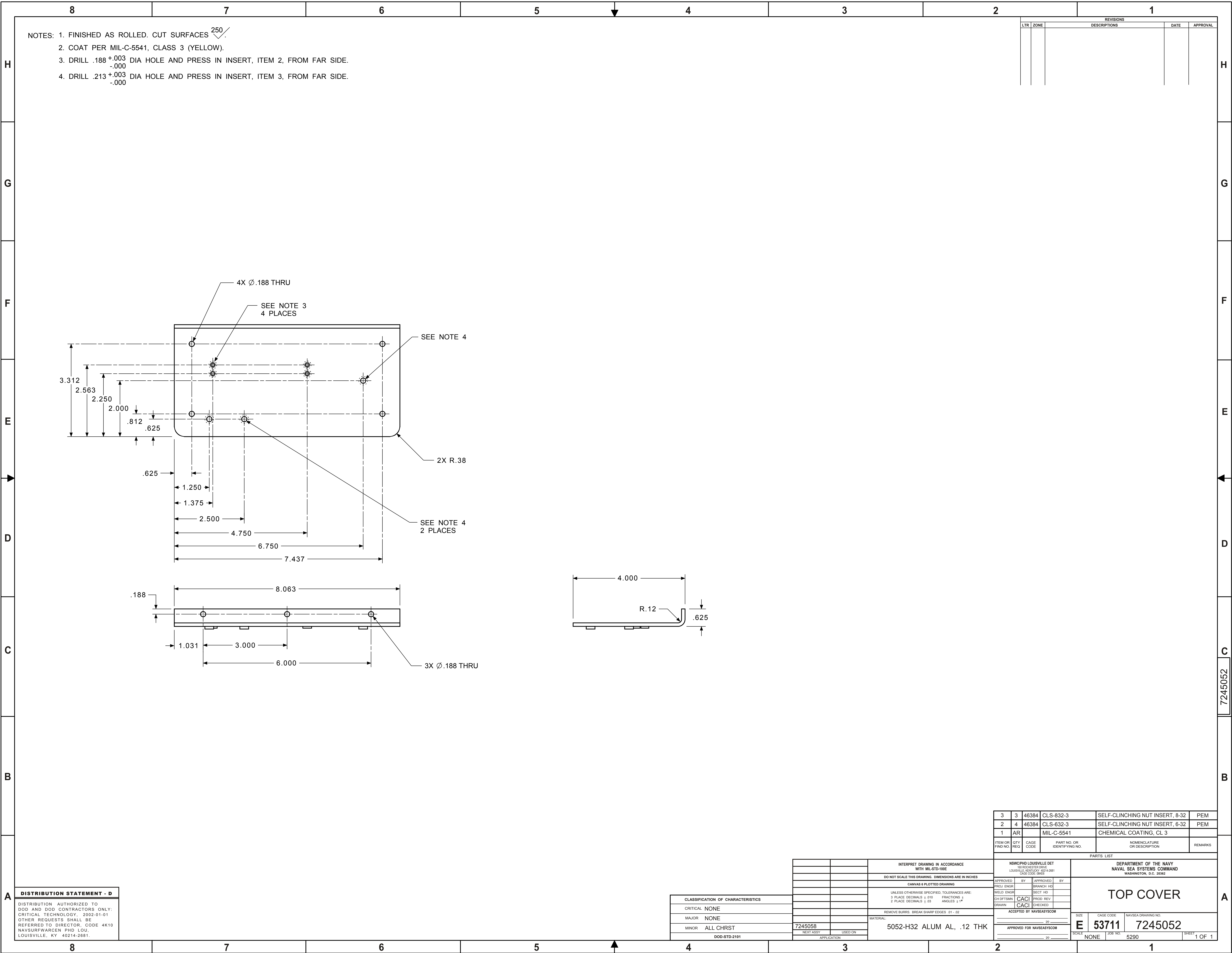
SIZE E 53711 7245053  
SCALE NONE JOB NO. 5290 SHEET 1 OF 1

DISTRIBUTION STATEMENT - D  
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2002-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU,  
LOUISVILLE, KY 40214-2681.

8 7 6 5 4 3 2 1

7245053

A





**DISTRIBUTION STATEMENT - D**

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, Z002-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU,  
LOUISVILLE, KY 40214-2681.

**NOTES:** 1. FINISHED AS ROLLED. CUT SURFACES  $\sqrt{250}$ .  
2. COAT PER MIL-C-5541, CLASS 3 (YELLOW).

**CLASSIFICATION OF CHARACTERISTICS**

CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

**INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-199E**

**CANVAS & PLOTTED DRAWING**

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:  
3 PLACE DECIMALS ± .010 FRACTIONS ±  
2 PLACE DECIMALS ± .03 ANGLES ± 1°

REMOVE BURRS, BREAK SHARP EDGES .01-.02

**MATERIAL:**  
**5052-H32 ALUM AL, .12 THK**

**ACCEPTED BY NAVSEASYSKOM**

APPROVED FOR NAVSEASYSKOM

SCALE NONE JOB NO. 5290 SHEET 1 OF 1

**PARTS LIST**

ITEM OR PART NO.	QTY REQ.	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
1	AR		MIL-C-5541	CHEMICAL COATING, CL 3	

**BOTTOM COVER**

NSWCIPH LOUISVILLE DET  
LOUISVILLE, KENTUCKY 40214-2681  
CAGE CODE 8869

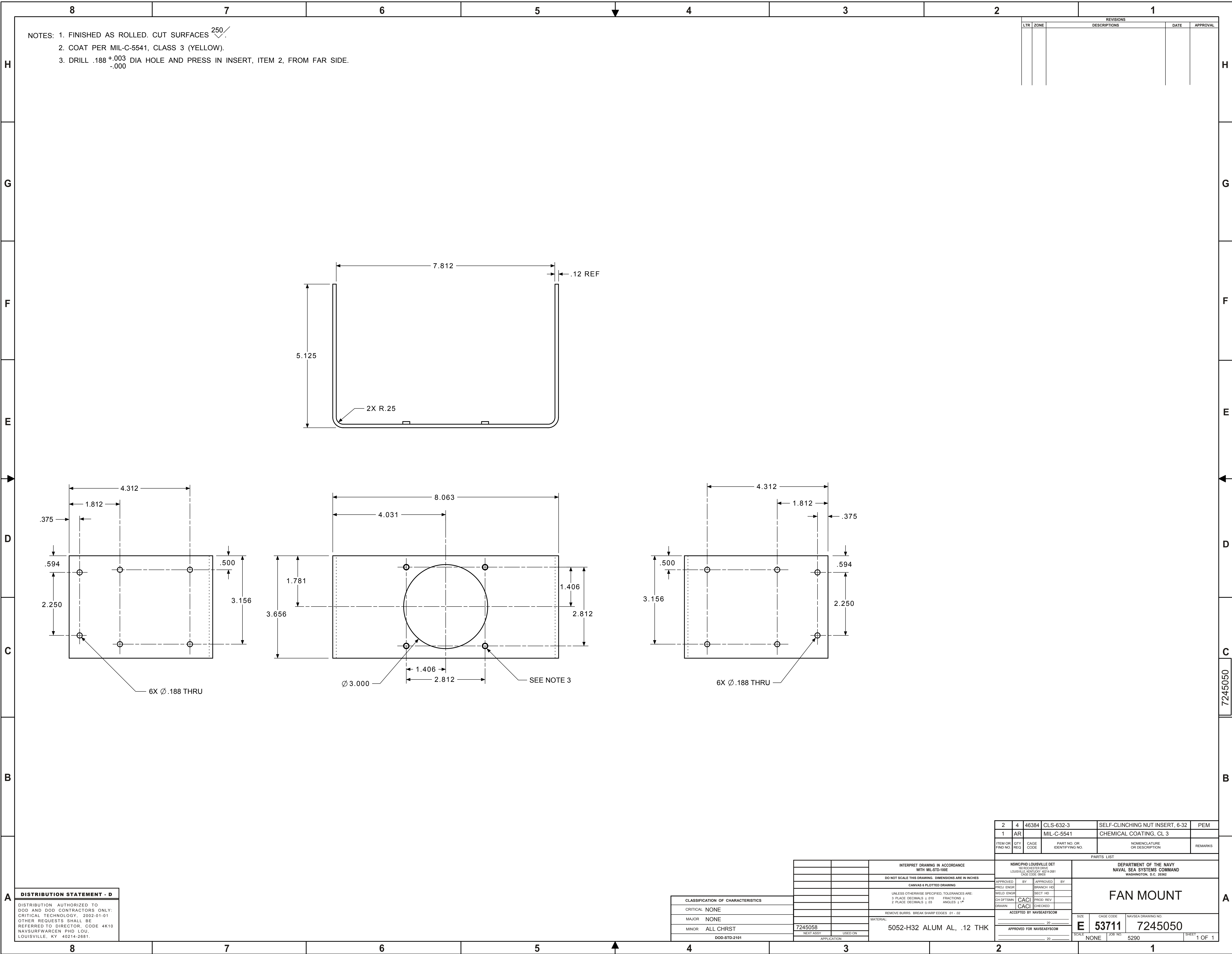
DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON, D.C. 20342

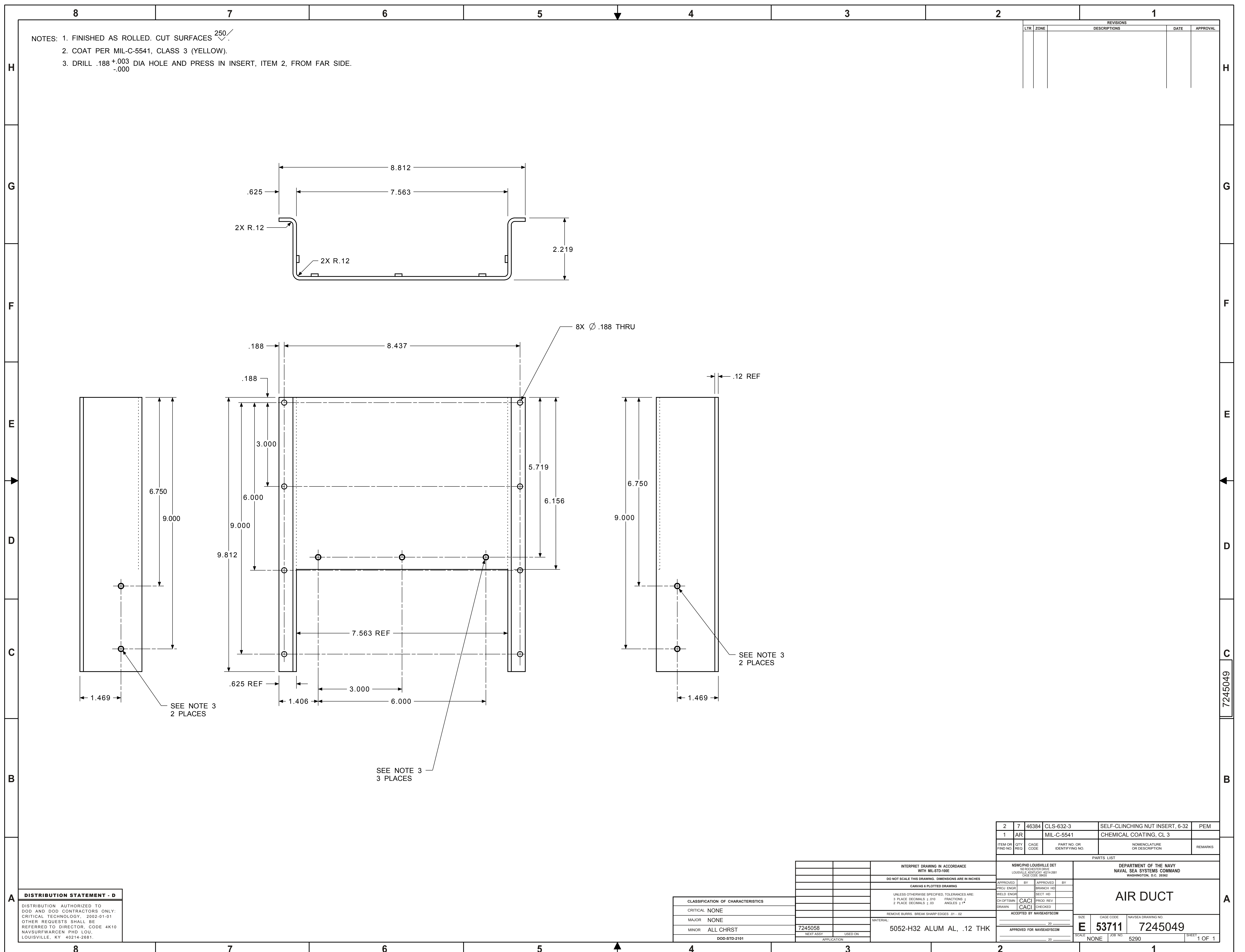
**REVISONS**

LTR	ZONE	DESCRIPTIONS	DATE	APPROVAL

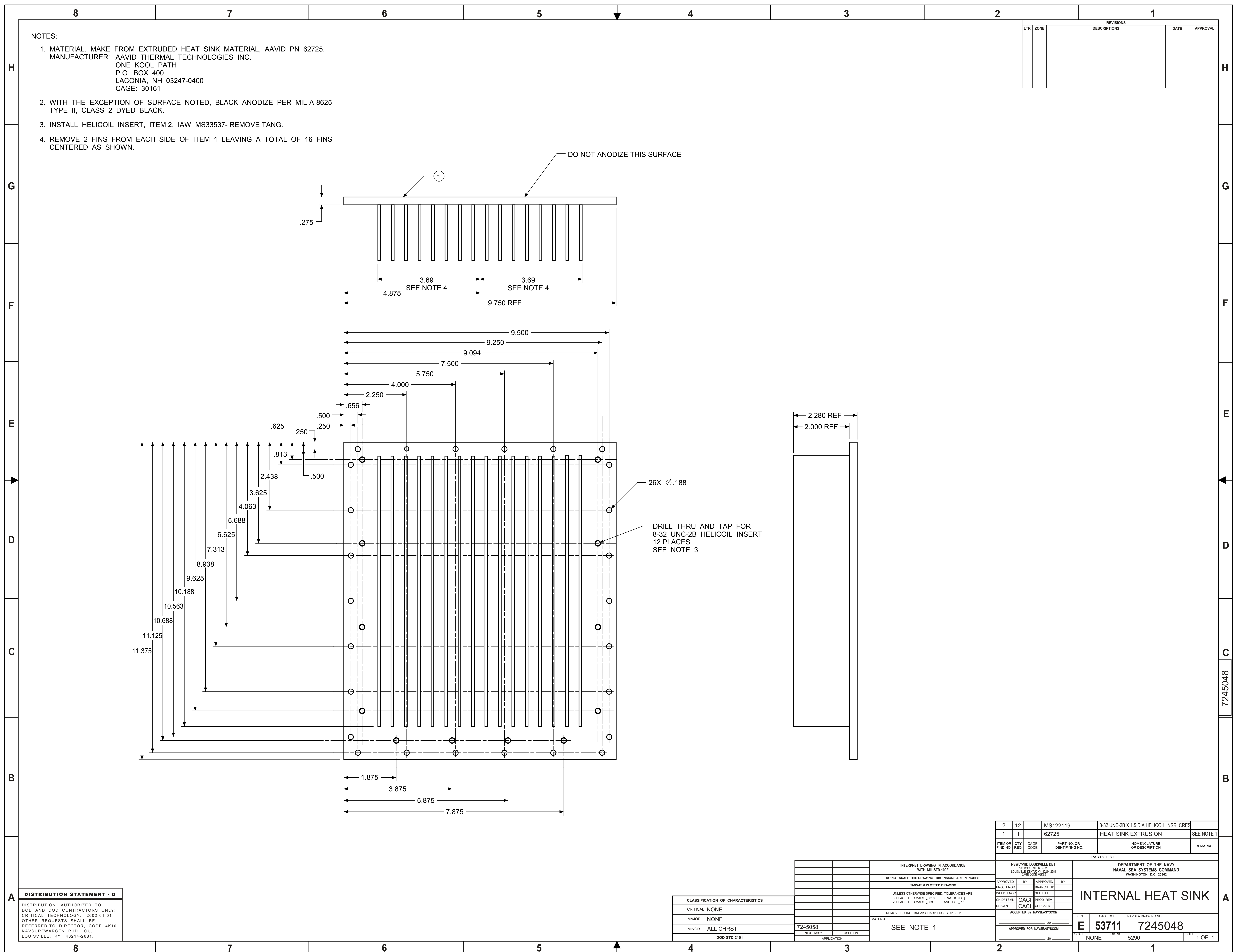
**Dimensions:**

- Overall Width: 8.062
- Overall Height: 3.312
- Top Flange Thickness: .625
- Bottom Flange Thickness: .188
- Flange Radii: 2X R.38
- Hole Pattern Dimensions:
  - Vertical Spacing: 3.025, 1.906, .812
  - Horizontal Spacing: .625, 1.718, 2.281, 5.781, 6.348, 7.437
- Side Flange Dimensions:
  - Width: 6.219
  - Thickness: .625
  - Radius: R.12
- Base Plate Dimensions:
  - Length: 6.000
  - Positioning: 1.031, 2.000, 4.000
  - Holes: 4X Ø.188 THRU
- Main Body Holes: 8X Ø.188 THRU

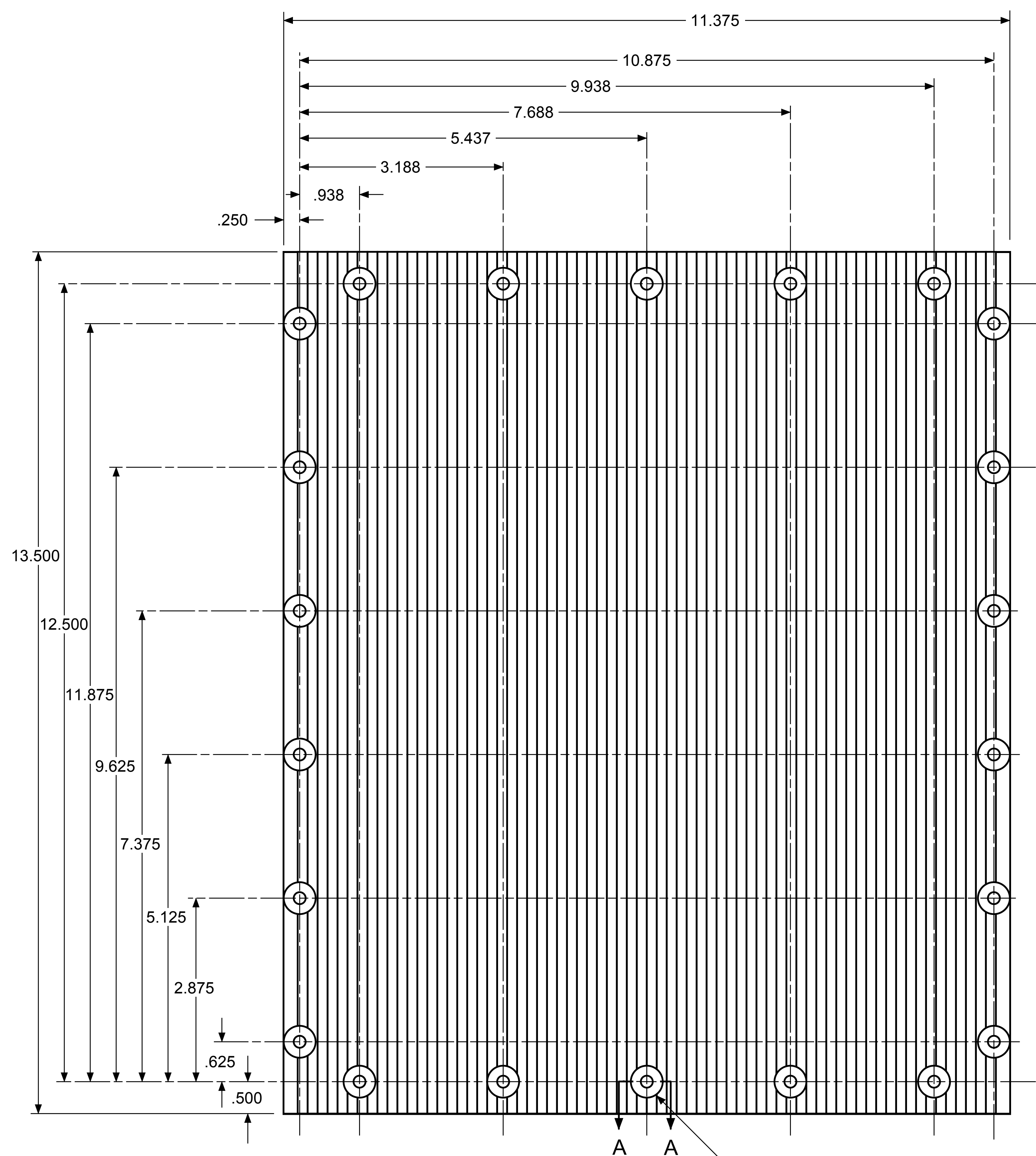
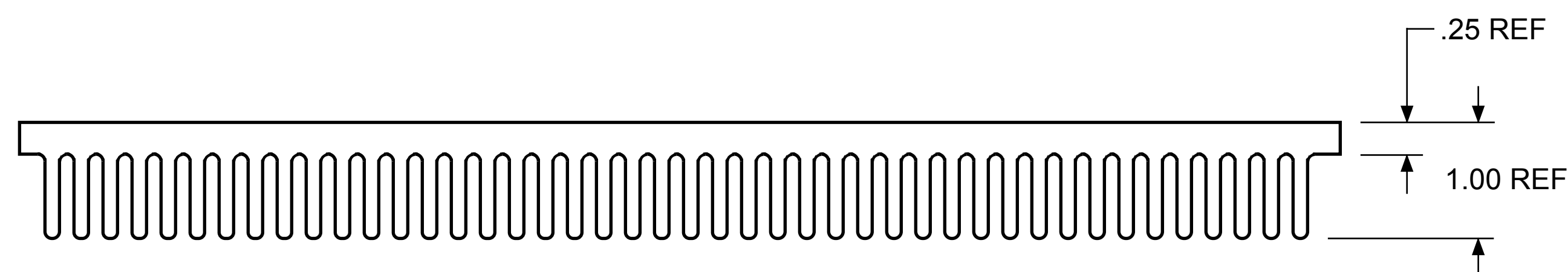




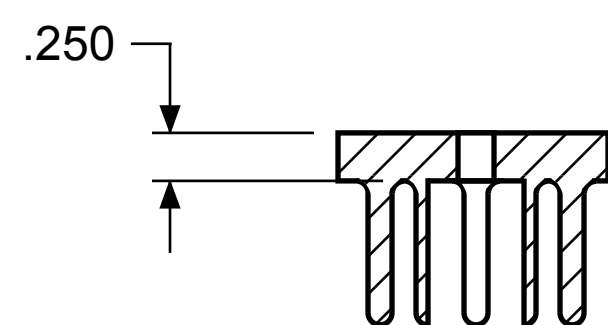




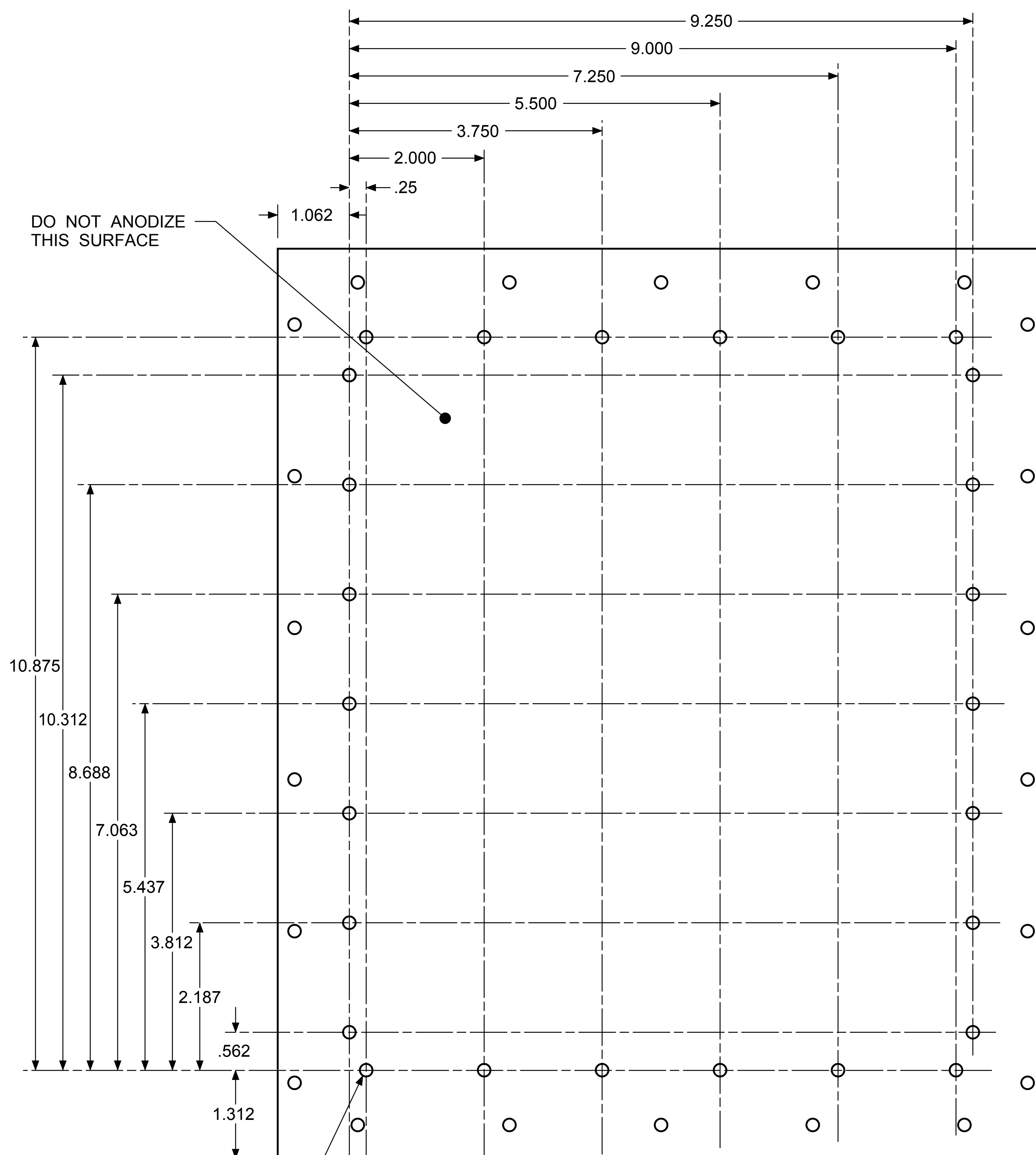
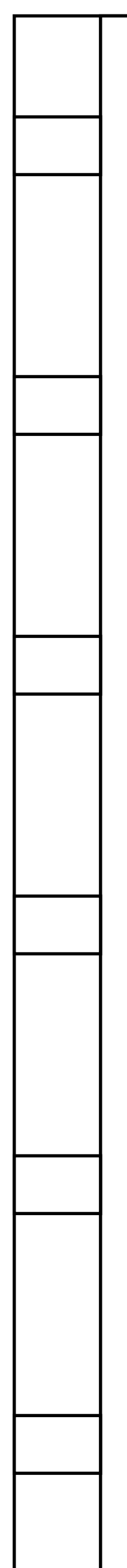
1. MATERIAL: MAKE FROM EXTRUDED HEAT SINK MATERIAL, AAVID P/N 61155.  
MANUFACTURER: AAVID THERMAL TECHNOLOGIES INC.  
ONE KOOL PATH  
P.O. BOX 400  
LACONIA, NH 03247-0400
2. WITH THE EXCEPTION OF SURFACE NOTED, BLACK ANODIZE PER MIL-A-8625  
TYPE II, CLASS 2 DYED BLACK.
3. INSTALL HELICOIL INSERT, ITEM 1, IAW MS33537- REMOVE TANG.



22X  $\phi$ .188 THRU  
 $\phi$ .500 SF  
SEE SECTION A - A



SECTION A - A



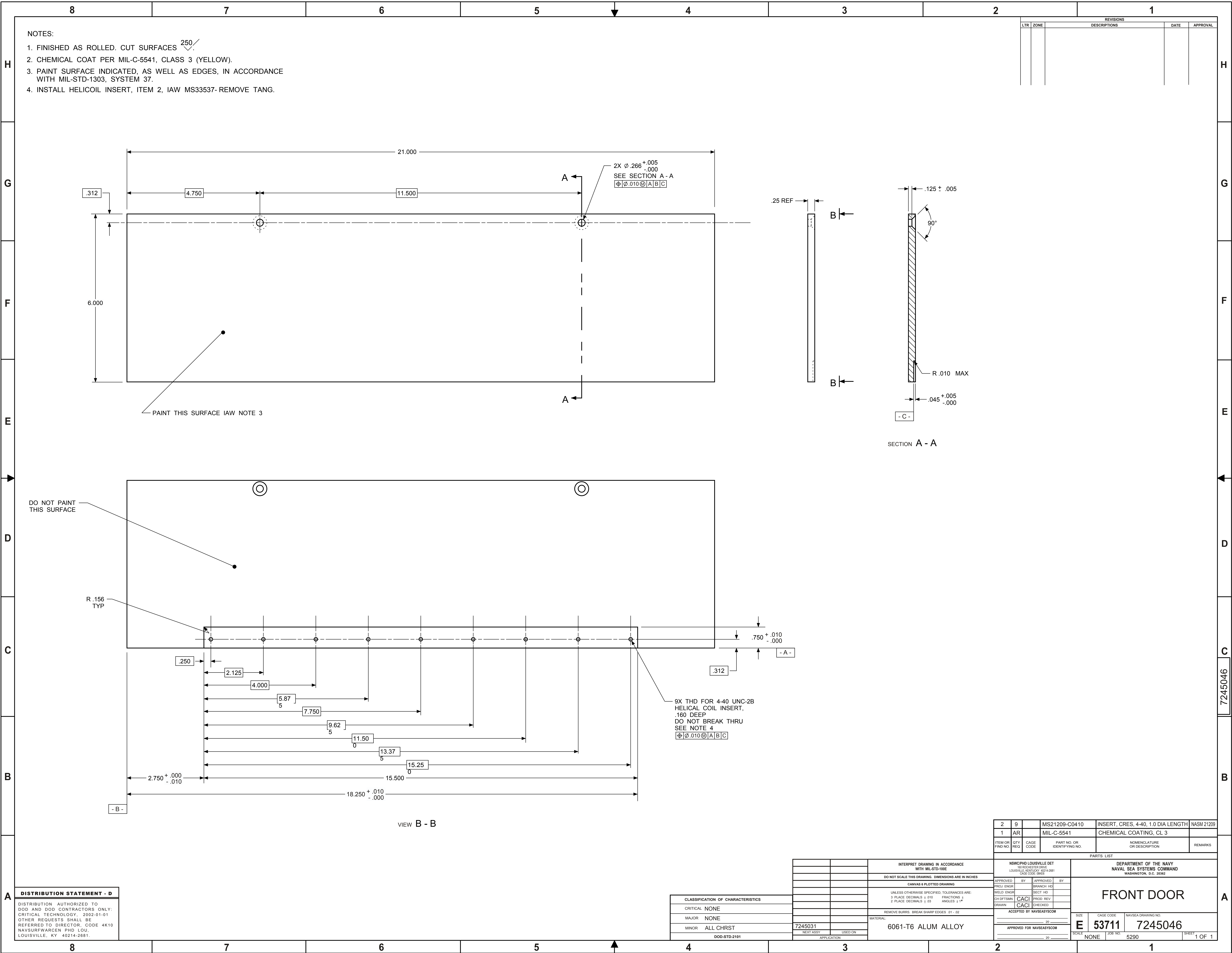
DRILL AND TAP FOR 8-32  
HELICOIL INSERT, .188 DEEP  
26 PLACES  
DO NOT BREAK THRU  
SEE NOTE 3

DISTRIBUTION STATEMENT - D	
DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2002-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARREN PHD LOU, LOUISVILLE, KY 40214-2681.	

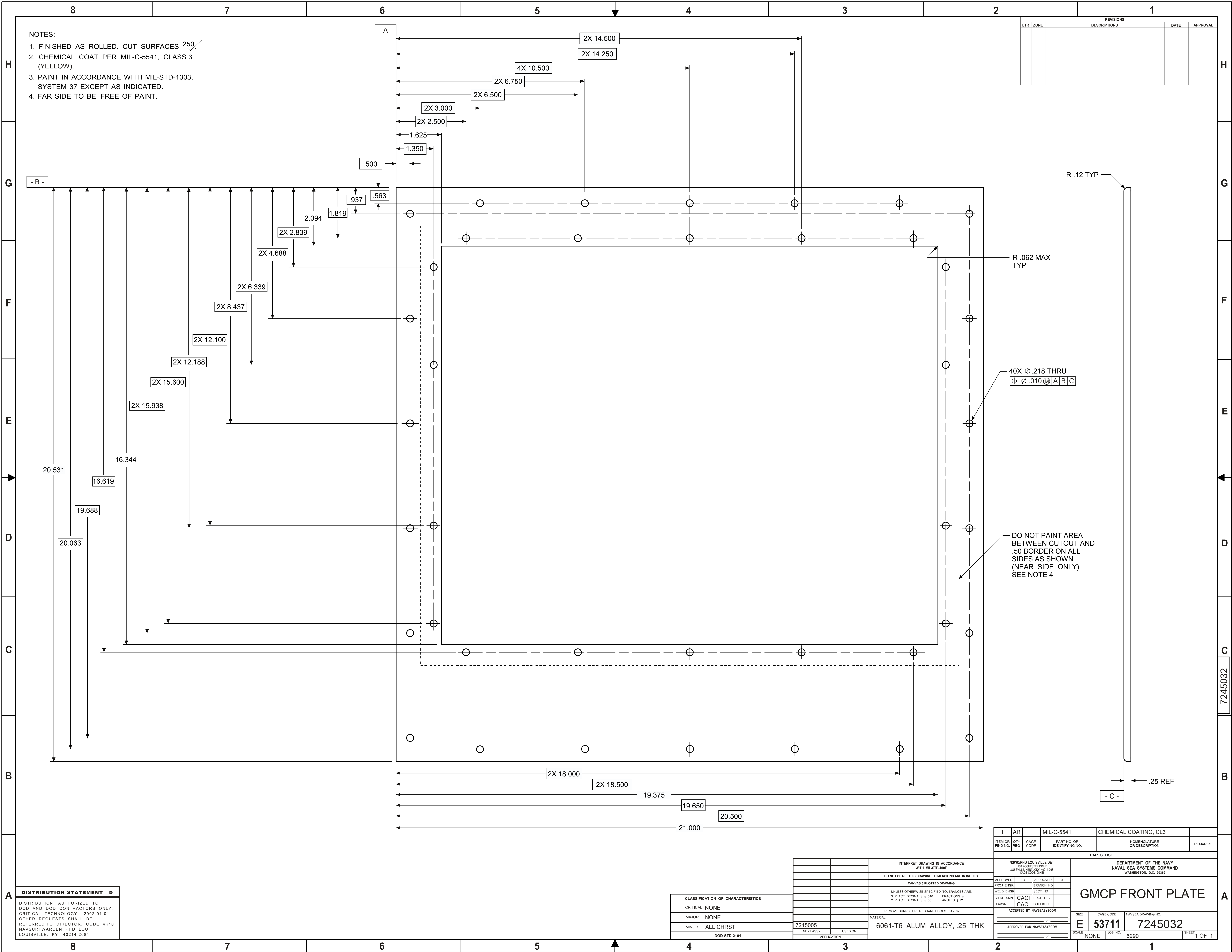
CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

SEE NOTE 1

1	26	MS122078		8-32 UNC-2B X 1.0 DIA HELICO. INSR. CRES	
ITEM OR FIND NO.	QTY REQD	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	
REMARKS					
PARTS LIST					
NSWC910 LOUISVILLE DET NSWC910DET-001 LOUISVILLE, KENTUCKY 40214-2861 CAGE CODE 5905			DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20382		
APPROVED BY	BY	APPROVED BY	<div style="text-align: center;"> <h1>EXTERIOR WATER SINK</h1> </div>		
PROJ ENGR		BRANCH			
WELD ENGR		SECT HD			
CH DFTSM	CACI	PROD REV			
DRAWN	CACI	CHECKED			
ACCEPTED BY NAVSEASCOM			SIZE	CAGE CODE	NAVSEA DRAWING NO.
20			E	53711	7245047
APPROVED FOR NAVSEASCOM			SCALE	JOB NO.	SHEET
20			NONE	5290	1 OF 1



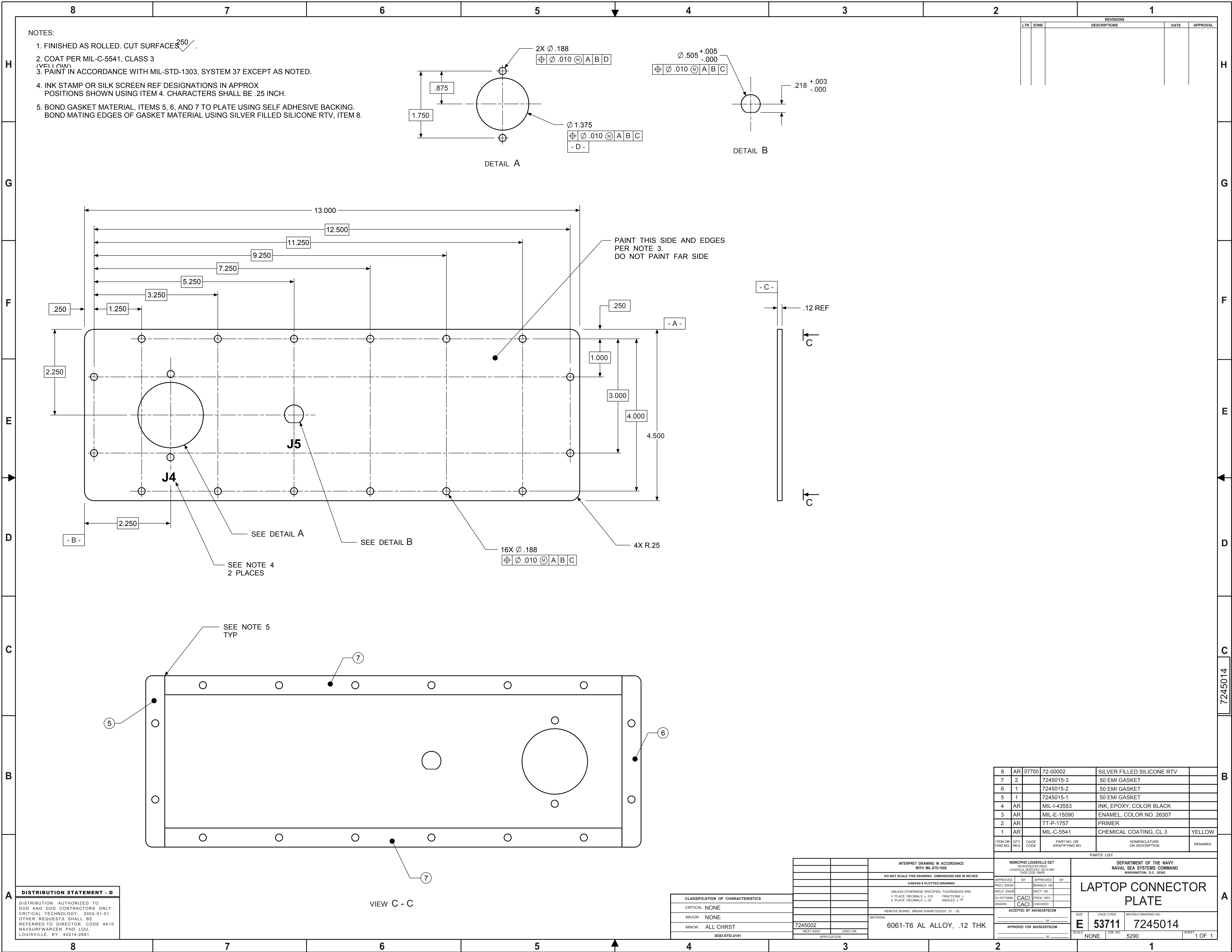




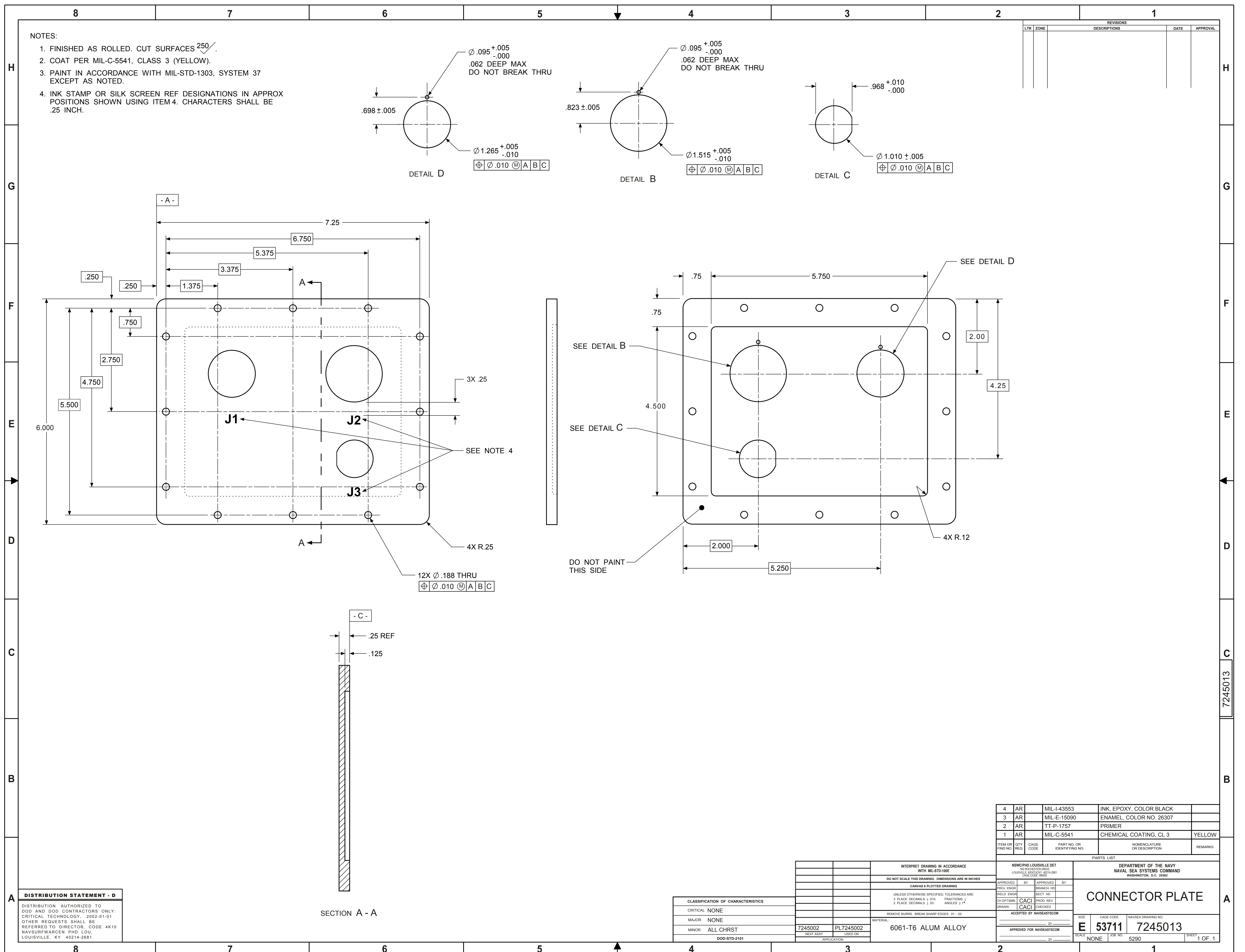


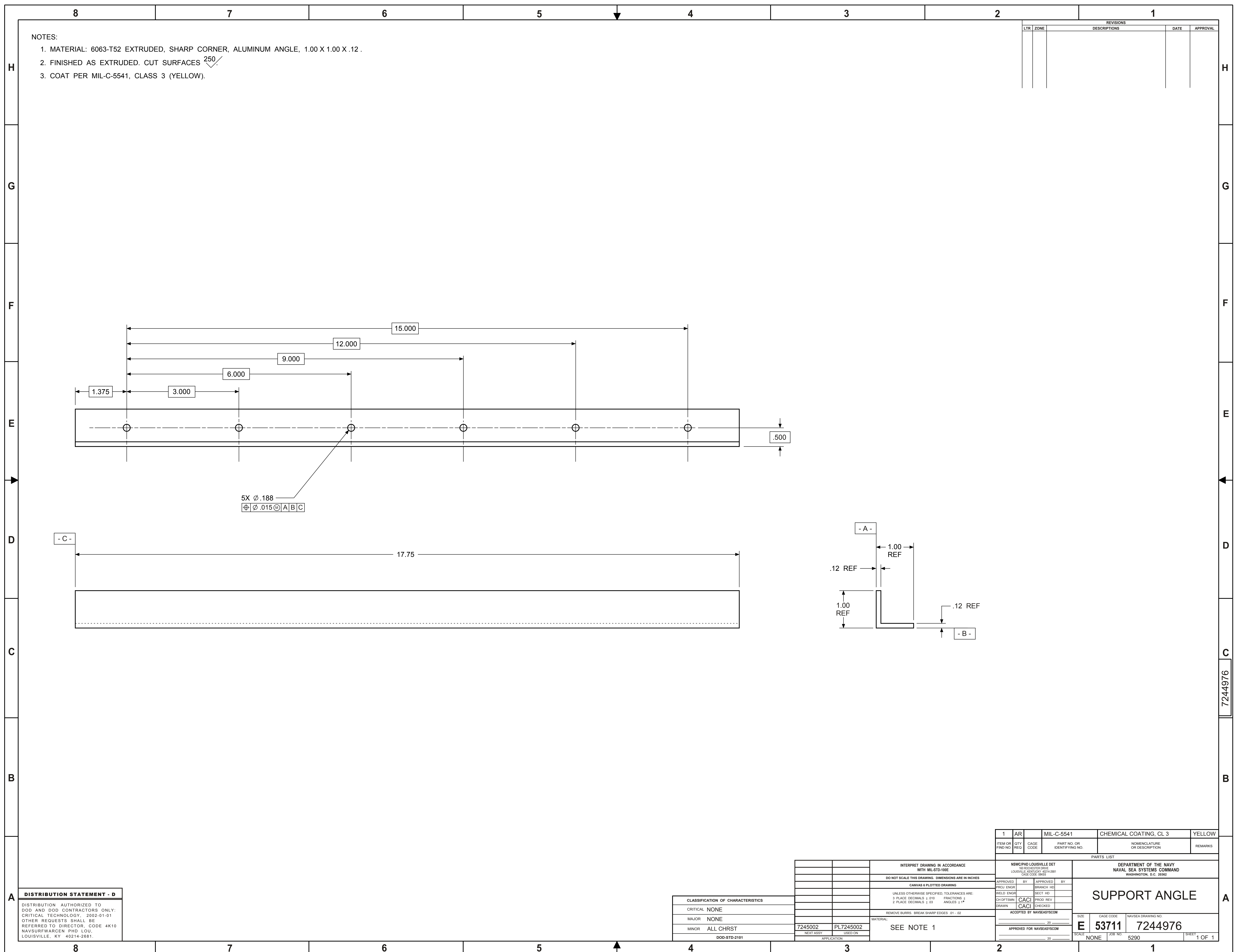


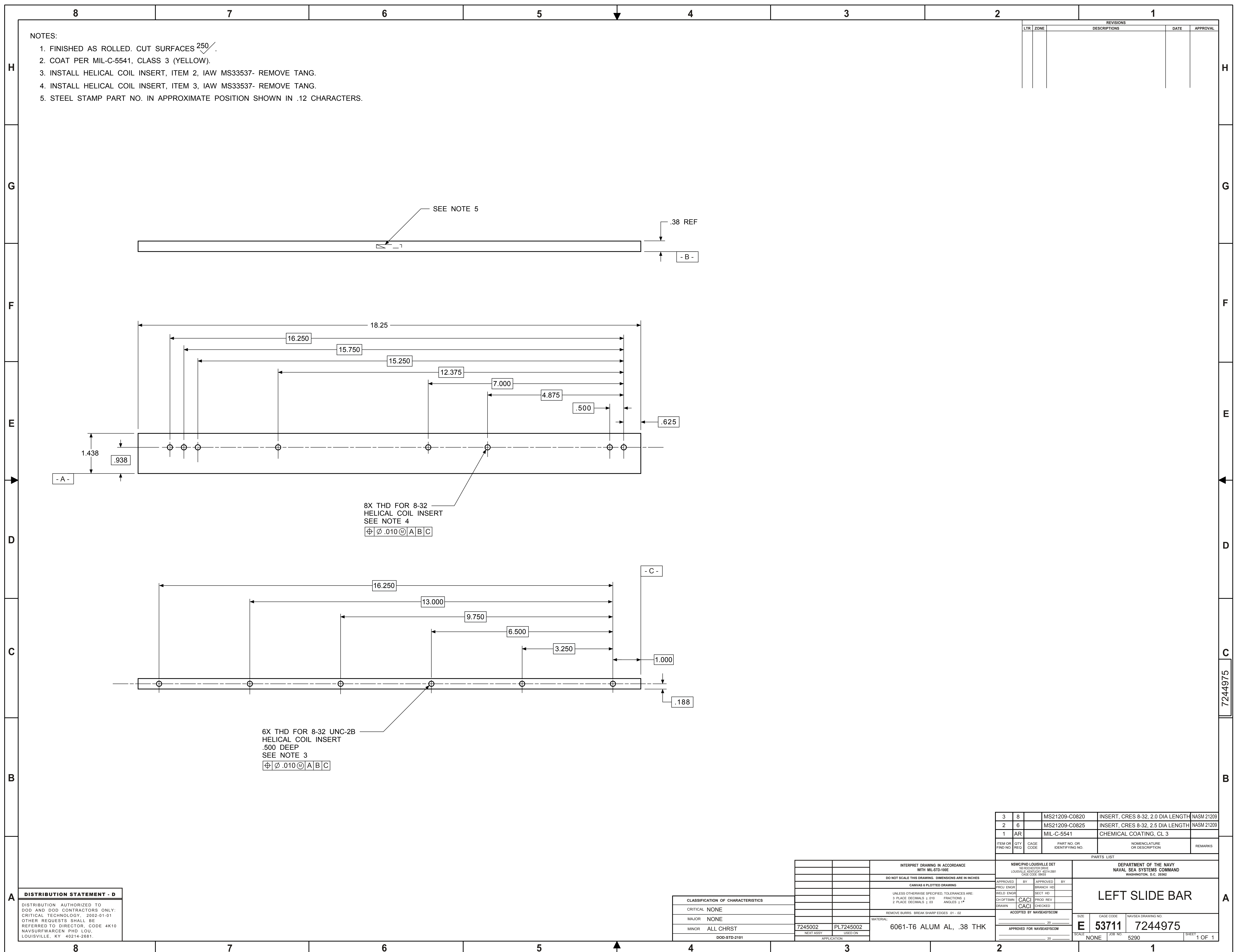




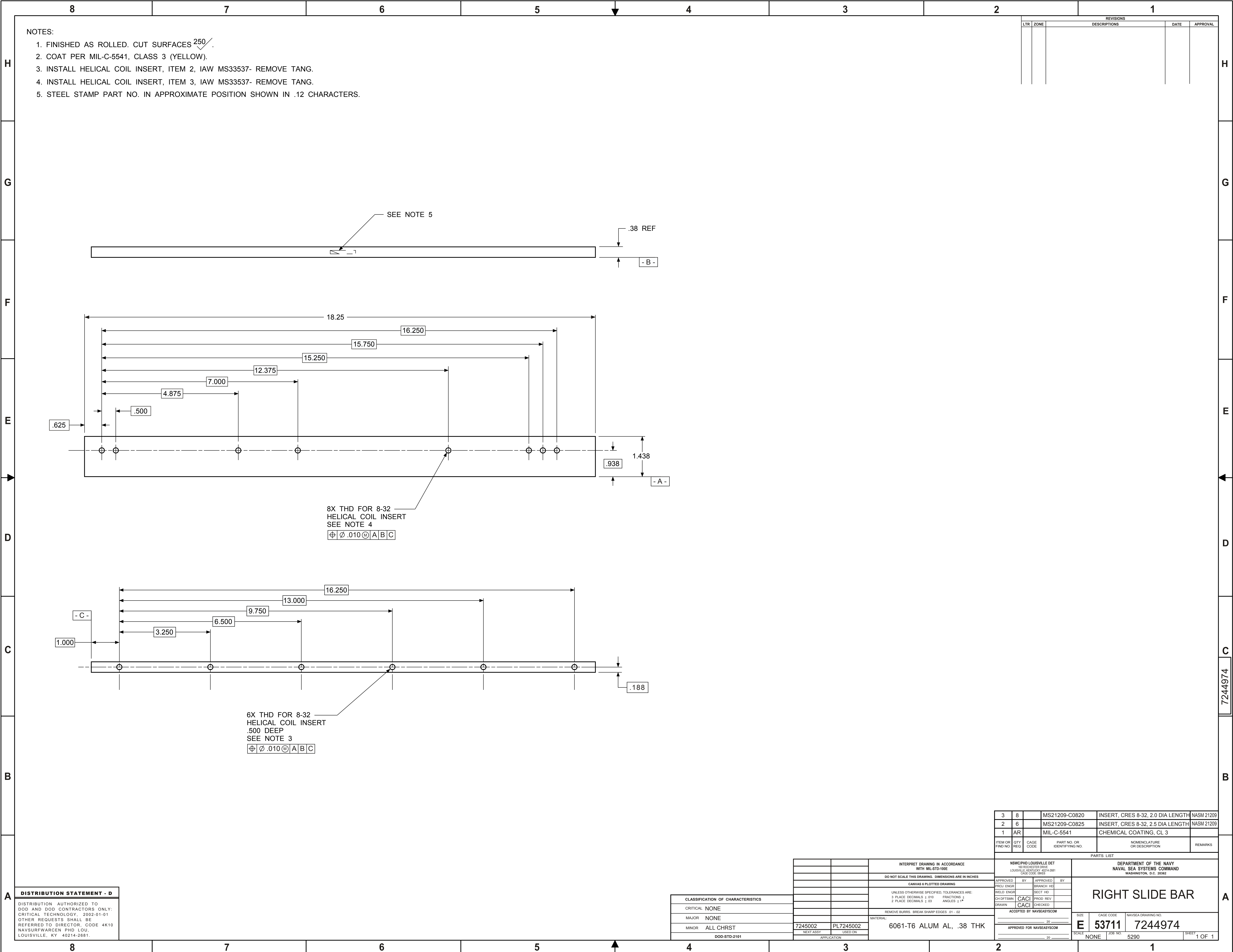


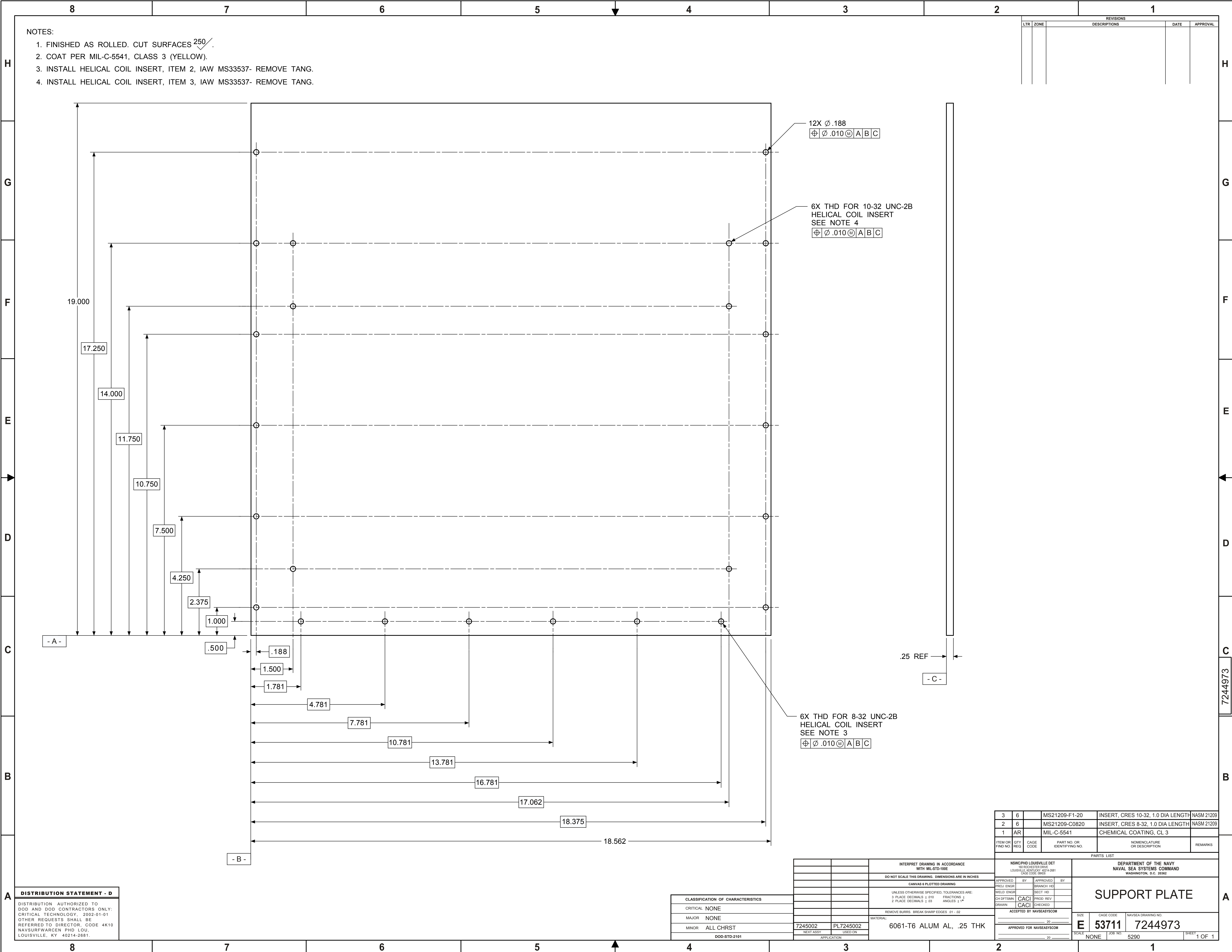












**DISTRIBUTION STATEMENT - D**

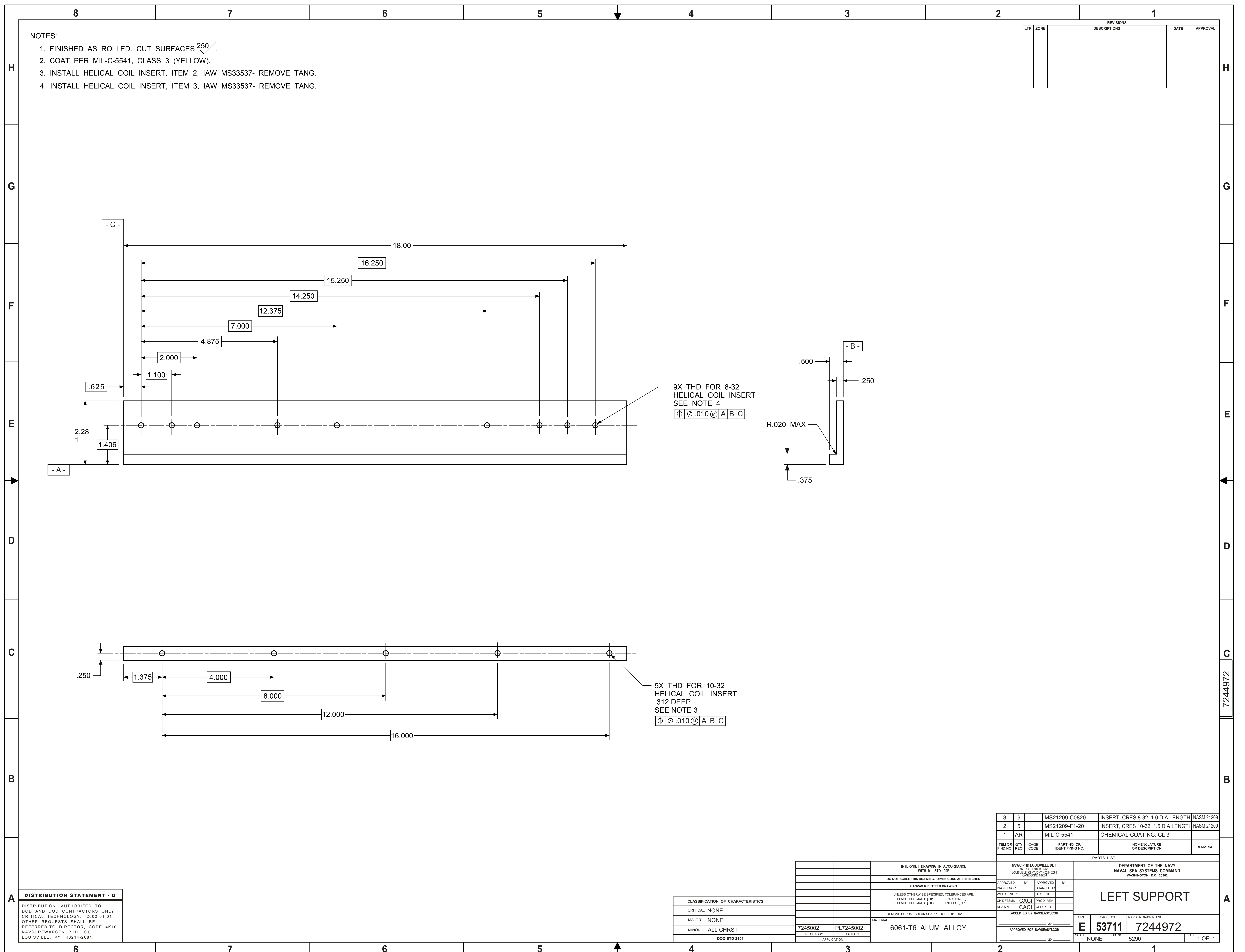
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2002-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARDCEN PHD LOU,  
LOUISVILLE, KY 40214-2681.

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

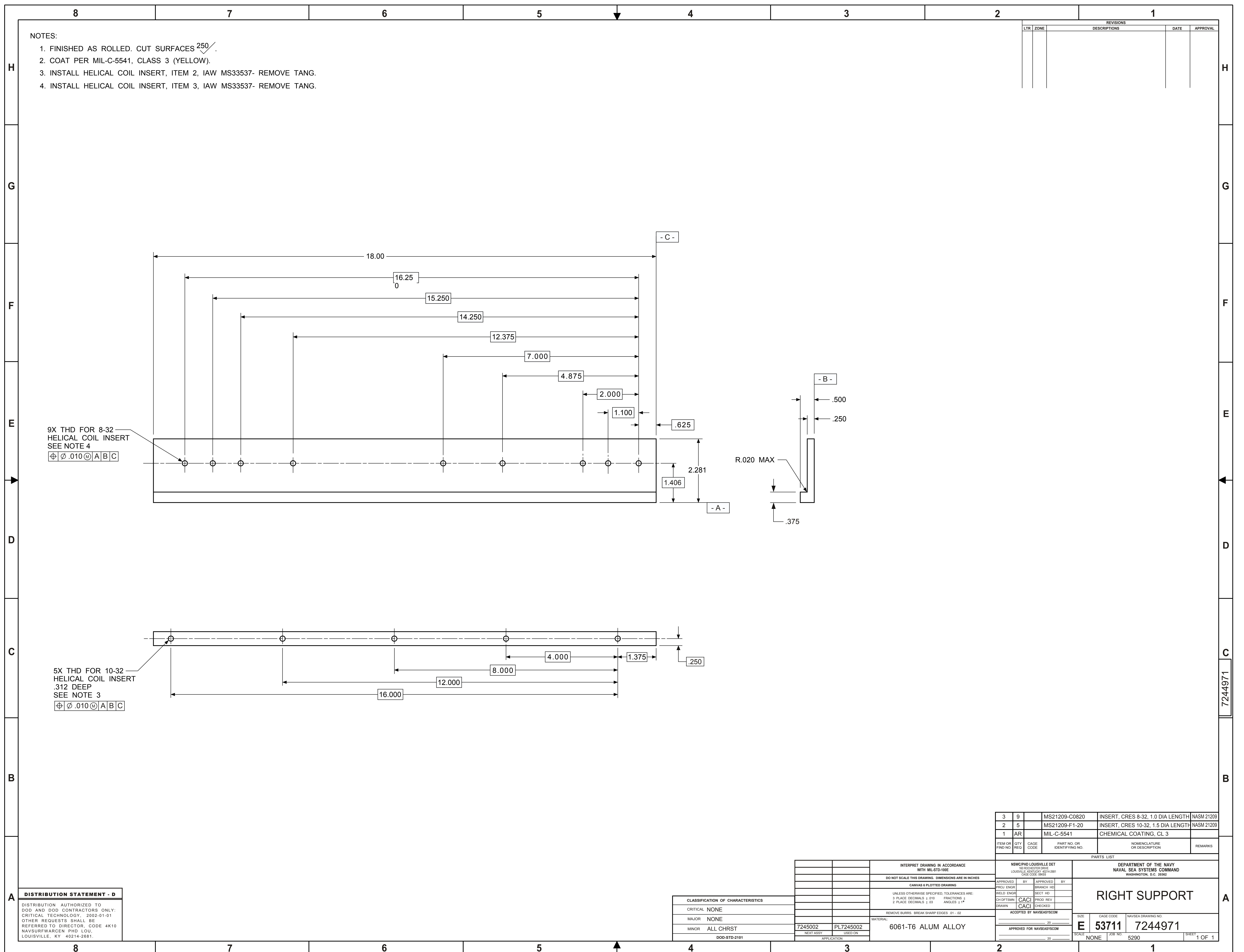
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E	
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	
CANVAS & PLOTTED DRAWING	
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS $\pm .010$ FRACTIONS $\pm .001$ 2 PLACE DECIMALS $\pm .03$ ANGLES $\pm 1^\circ$	
REMOVE BURRS. BREAK SHARP EDGES .01 - .02	
MATERIAL: 6061-T6 ALUM AL, .25 THK	
NEXT ASSY	USED ON
APPLICATION	

APPROVED FOR NAVSEASYSCOM	
APPROVED	BY
PROJ ENGR	BRANCH HD
WELD ENGR	SECT HD
CH OPTSMN	PROG REV
DRAWN	CACI
ACCEPTED BY NAVSEASYSCOM	
APPROVED FOR NAVSEASYSCOM	

3	6	MS21209-F1-20		INSERT, CRES 10-32, 1.0 DIA LENGTH		NASM 21209
2	6	MS21209-C0820		INSERT, CRES 8-32, 1.0 DIA LENGTH		NASM 21209
1	AR	MIL-C-5541		CHEMICAL COATING, CL 3		
ITEM NO OR FIND NO	QTY REQD	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		REMARKS
PARTS LIST						
NSWCIPHO LOUISVILLE DET 1820 CHARACTER DRIVE LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 9885			DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340			
APPROVED BY		BY		SUPPORT PLATE		
PROJ ENGR		BRANCH HD				
WELD ENGR		SECT HD				
CH DFTSMN		PROD REV				
DRAWN		CAGI CAGI		CHECKED		
ACCEPTED BY NAVSEASYSCOM						
20						
APPROVED FOR NAVSEASYSCOM						
20						
SIZE		CAGE CODE		NAVSEA DRAWING NO.		
E		53711		7244973		
SCALE		NONE		JOB NO.		SHEET
				5290		1 OF 1

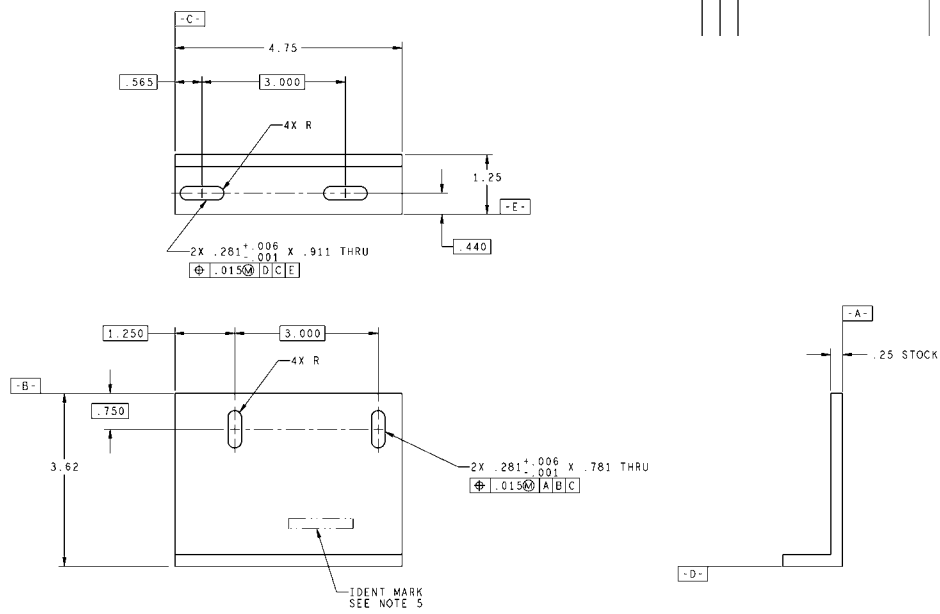






F  
E  
D  
C  
B  
A

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. UNLESS OTHERWISE SPECIFIED:
    - A. FINISH AS ROLLED, CUT SURFACES  $250^\circ$ .
    - B. COMMERCIAL TOLERANCES APPLY TO STOCK SIZE.
  3. CHEMICAL COAT IAW MIL-C-5541, CLASS 3.
  4. PAINT IAW MIL-STD-001303C, SYSTEM 37.
  5. STEEL STAMP "53711-7244518" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY. CRITICAL TECHNOLOGY. D2 D3 D4 OTHER REQUEST SHALL BE REFERRED TO DIRECTOR, CODE AK10 NAVSUPMARCEN PHO L00, LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

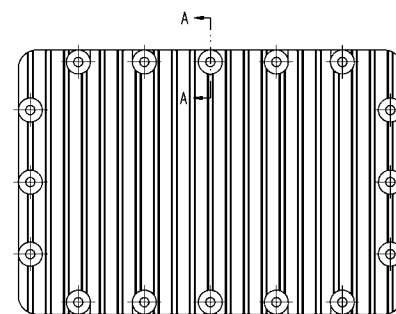
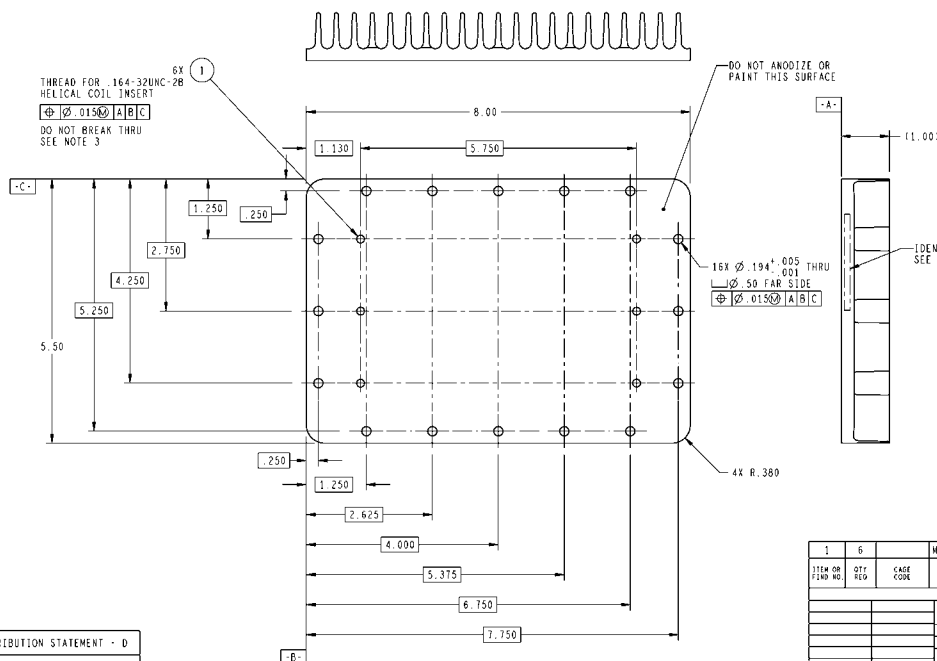
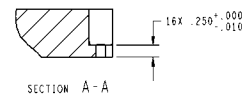
2	AR	MIL-E-24635 CLASS II	ENAMEL	COLOR NO. 26307	
1	AR	TT-P-645	PRIMER		
ITEM OR FIND NO	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST					
INTERPRET DRAWING IN ACCORDANCE WITH MTI-STD-1007					
CAD PLOTTED DRAWING (PRO-2 VER 203)					
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES.					
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:					
3 PLACE DECIMALS & .010 FRACTIONS .A					
2 PLACE DECIMALS & .03 ANGLES .A					
ROUND UP/DOWN. DIM. STAMP 1/16 IN. .01 IN.					
MATERIAL: AL ALY ANGLE 6061-T6					
NEXT ASS. DUE ON APPLICATION					
APPROVED FOR NAVSEA/STROM S. CURTIS /A/ 29 AUG 2020					
ACCEPTED BY NAVSEA/STROM					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20382					
BRACKET, LEFT					
SIZE CASE CODE NAVSEA DRAWING NO					
D 53711 7244518					
SCALE 1/1 JOB NO 5121 SHEET 1 OF 1					

A

[illegible]

1. MAKE FROM DRAWING NUMBER 7244516.
2. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
3. INSTALL HELICAL COIL INSERTS IAW M353537. REMOVE TANG.
4. ANODIZE IAW MIL-A-8625, TYPE 2, CLASS 3, DYED BLACK, EXCEPT SURFACE NOTED.
5. STEEL STAMP "53711-7244515", IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.

REVISION				
LTR	REV	DESCRIPTION	DATE	APPROVAL
	A	REPLACES REV " - " WITH CHANGE SEE NOR	03/01/02	GER/s/



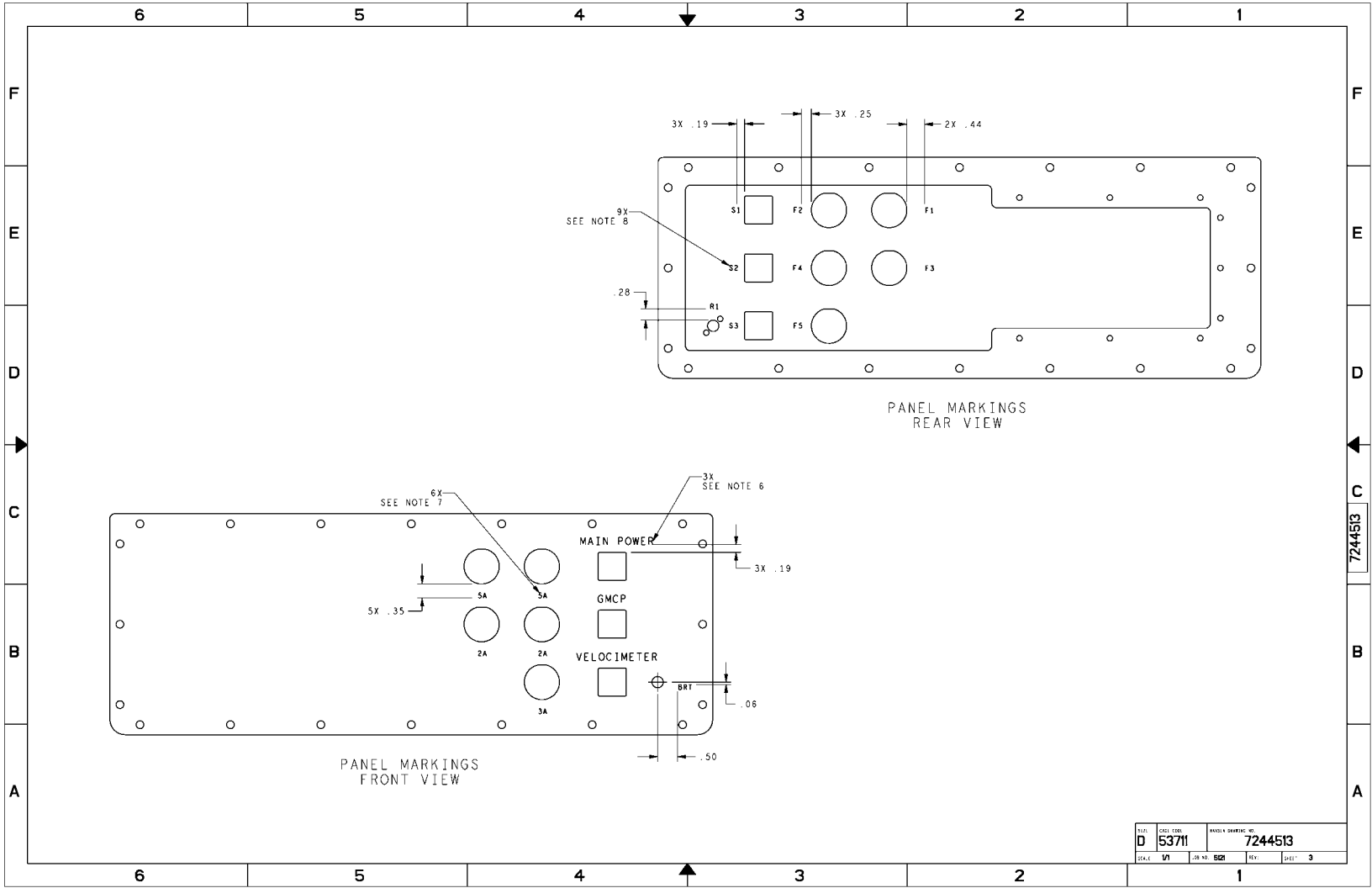
### ALTERED ITEM DRAWING

1	6	MS2209C0810		INSERT, SCREW THREAD		NASM21209	
ITEM OR FIG NO	QTY	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		REMARKS	
PARTS LIST							
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 CAD PLOTTED DRAWING (PLOT) - VER 291 DO NOT SCALE - DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 2 PLACE DECIMALS & .010 FRACTIONS 2 PLACE DECIMALS & .010 ANGLES MINUS .0005 UNLESS SHOWN SHARP CORNERS - .01 .05 WATER-ALLOY							
SEE NOTE 1							
APPROVED FOR NAVY/STENCIL S. CUMMIS / J 29 AUG 2005							
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20340 <b>HEAT SINK</b>							
724550		N45050		D 53711		7245515	
APPLICATION		SIZE:		CAGE CODE		NAVSEA DRAWING NO.	
		SCALE 1/1		NO. 5378		SHEET 1 OF 1	

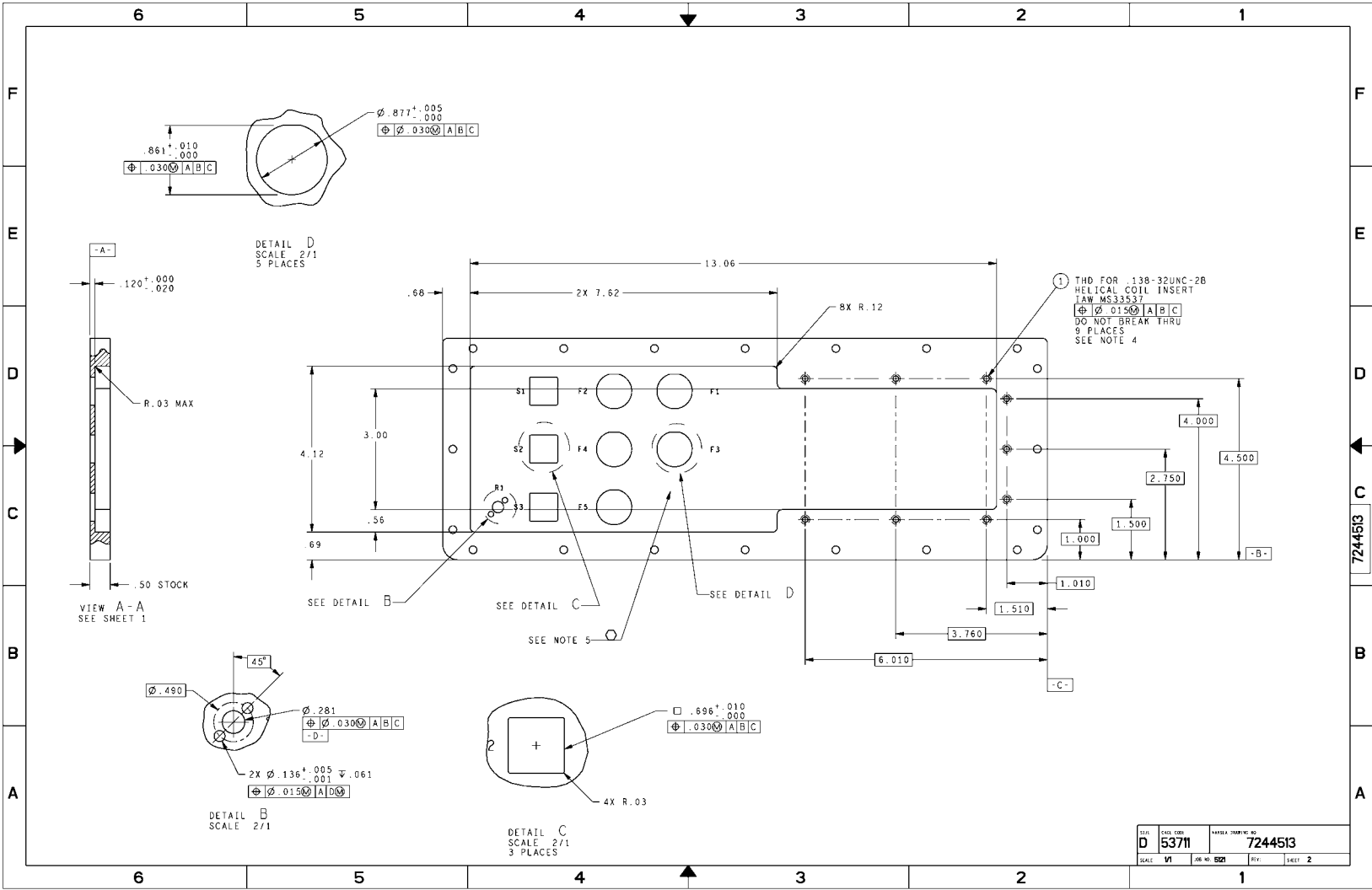
DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 10-14-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRS
DOD-STD-2101	

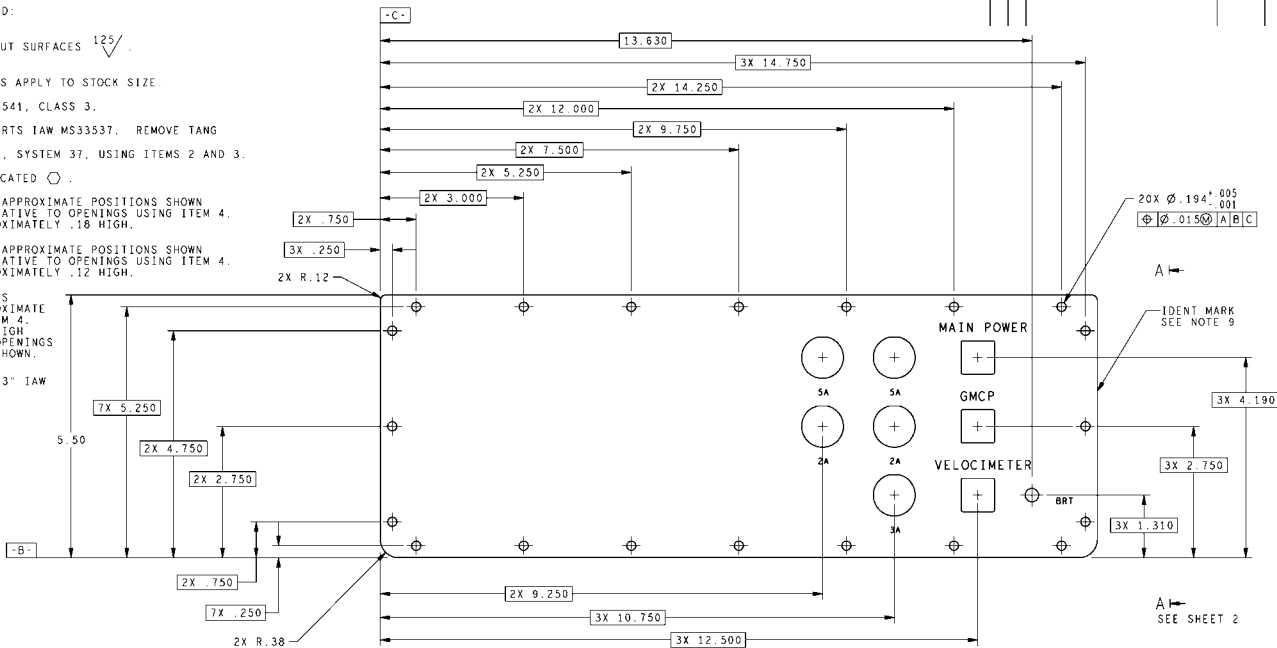


REV:	CALL CODE	AVIATION DRAWING NO.
D	53711	7244513
SCALE	1/1	DR NO 520
REV:	3	



- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. UNLESS OTHERWISE SPECIFIED:

- A. FINISH AS ROLLED. CUT SURFACES  $125^\circ$ .
  - B. COMMERCIAL TOLERANCES APPLY TO STOCK SIZE.
3. CHEMICAL COAT IAW MIL-C-5541, CLASS 3.
  4. INSTALL HELICAL COIL INSERTS IAW MS33537. REMOVE TANG
  5. PAINT IAW MIL-STD-001303C, SYSTEM 37, USING ITEMS 2 AND 3.
    - A. EXCEPT SURFACES INDICATED  $\bigcirc$ .
  6. SILKSCREEN CHARACTERS IN APPROXIMATE POSITIONS SHOWN HORIZONTALLY CENTERED RELATIVE TO OPENINGS USING ITEM 4. CHARACTERS SHALL BE APPROXIMATELY .18 HIGH.
  7. SILKSCREEN CHARACTERS IN APPROXIMATE POSITIONS SHOWN HORIZONTALLY CENTERED RELATIVE TO OPENINGS USING ITEM 4. CHARACTERS SHALL BE APPROXIMATELY .12 HIGH.
  8. INK STAMP REF DESIGNATIONS IAW MIL-STD-130, IN APPROXIMATE POSITIONS SHOWN USING ITEM 4. CHARACTERS SHALL BE .12 HIGH AND STAMPED RELATIVE TO OPENINGS IN APPROXIMATE POSITION SHOWN.
  9. STEEL STAMP "53711-7244513" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY;  
CRITICAL TECHNOLOGY, 1-77-DO  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS  
CRITICAL - NONE  
MAJOR - NONE  
MINOR - ALL CHRST  
DOD-STD-2101

4	AR	AA 56032 1 BLK	INK, MARKING, EPOXY BASE	A-A-56032	
3	AR	TT-P-645	PRIMER		
2	AR	MIL-E-74635, CLASS II	ENAMEL	COLOR NO. 26307	
1	9	MS21209C0620	INSERT, SCREW THREAD	NASW21209	
ITEM OR PENG NO.	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST					
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-1002					
CAD PLOTTED DRAWING (PLOT) WITH 200					
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES					
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:					
3 PLACE DECIMALS ± .010 FRACTIONS ±					
2 PLACE DECIMALS ± .02 ANGLES ± 1°					
REMOVE BLENDS - BREAK SHARP EDGES - 90° - 90°					
MATERIAL:					
AL ALY 6061-T6					
ACCEPTED BY NAVSEAS/SCOM					
APPROVED FOR NAVSEAS/SCOM					
S. CURTIS /s/					
23 AUG 2000					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20380					
PANEL, FRONT					
S/78 CAD CODE NAVSTA DRAWING NO					
D 53711 7244513					
SCALE 1/1 JOB NO. 5121 SHEET 1 OF 3					

8		7		6		5		4		3		2		1			
H		<div>NOTES: 1. MATERIAL: RUBBER, MIL-G-1149, TYPE I, CLASS 1.</div>														H	
G																G	
F																F	
E		<div><div><div>5.88</div><div>4.50</div></div><div><div>.062</div></div></div>														E	
D																D	
C																C	
B																B	
A		<div><div><div><div>DISTRIBUTION STATEMENT - D</div><div>DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARCON PHD LOU, LOUISVILLE, KY 40214-2681.</div></div><div><div>CLASSIFICATION OF CHARACTERISTICS</div><div>CRITICAL NONE</div><div>MAJOR NONE</div><div>MINOR ALL CHRST</div><div>DOD-STD-2101</div></div><div><div>7245398</div><div>NEXT ASSY</div><div>USED ON</div><div>APPLICATION</div></div><div><div>INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E</div><div>DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES</div><div>CANVAS &amp; PLOTTED DRAWING</div><div>UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS: 1/16 ANGLES: 1/2</div><div>REMOVE BURRS. BREAK SHARP EDGES .01 - .02</div><div>SEE NOTE 1</div></div><div><div>NSWCIPHO LOUISVILLE DET</div><div>18530 CHARACTER 0000</div><div>LOUISVILLE, KENTUCKY 40214-2681</div><div>CAGE CODE 0000</div><div>APPROVED BY</div><div>BY</div><div>APPROVED BY</div><div>BY</div><div>PROJ ENGR</div><div>BRANCH HD</div><div>WELD ENGR</div><div>SECT HD</div><div>CH OPTSMN</div><div>CACI</div><div>PROG REV</div><div>CACI</div><div>CHECKED</div><div>DRAWN</div><div>ACCEPTED BY NAVSEASYSCOM</div><div>20</div><div>APPROVED FOR NAVSEASYSCOM</div><div>20</div></div><div><div>DEPARTMENT OF THE NAVY</div><div>NAVAL SEA SYSTEMS COMMAND</div><div>WASHINGTON, D.C. 20340</div><div>PAD, RUBBER</div><div>SIZE</div><div>CAGE CODE</div><div>NAVSEA DRAWING NO.</div><div>E</div><div>53711</div><div>7245399</div><div>SCALE</div><div>NONE</div><div>JOB NO.</div><div>5290</div><div>SHEET</div><div>1 OF 1</div></div></div></div>														A	
8		7		6		5		4		3		2		1			